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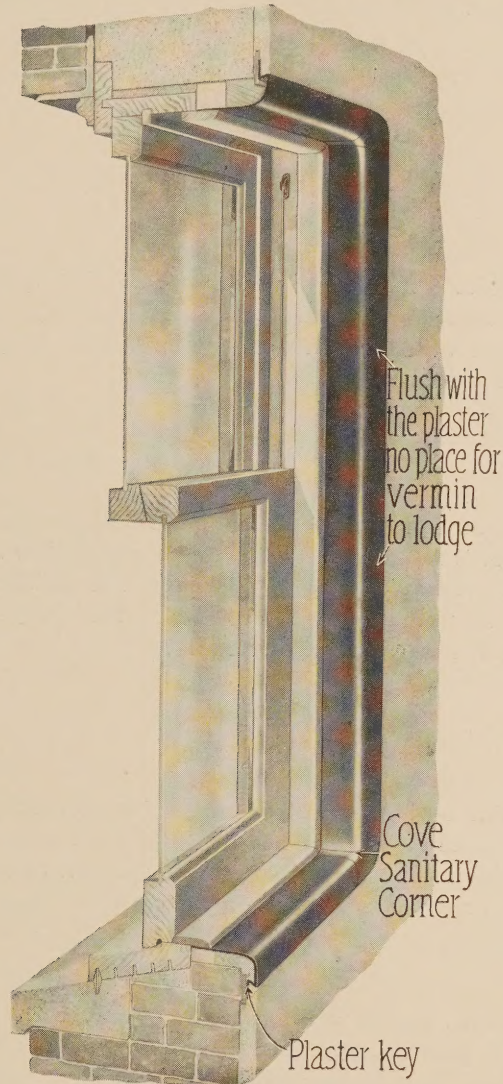
KNAPP BROTHERS MANUFACTURING COMPANY
1343 SOUTH 55TH COURT CHICAGO, ILLINOIS

750
9/2/02

Knapp Sanitary Metal Window Trim

PATENTED OCT. 18, 1921
ALL RIGHTS RESERVED

FIRE PROOF . . . VERMIN PROOF
EASY TO KEEP CLEAN . . . INEXPENSIVE



KNAPP BROTHERS
1343 So. 55th Court



MANUFACTURING CO.
CHICAGO, ILL.

U. S. REGISTERED

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To Architects, Engineers and Building Craftsmen

Knapp Sanitary Metal Window Trim and Stools by this time require no introduction to the architects, engineers or building craftsmen. Introduced three years ago, they were received with immediate approval, showing a long-felt want had been met and since then an ever-increasing demand has indicated their practical value. The experiences gained in the first years have led to improvements in the manufacturing and marketing methods which Knapp Brothers Manufacturing Company now wish to present to the trade at large.

Style No. 302 Window Trim

This style provides a method of trimming a window opening on the inside with the reveal lining and trim face in one continuous piece and finishing flush with the plaster walls. This trim can be used with any kind or type of window frame, either wood or metal. It can also be used as a door trim.

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Appearance and Comparative Value

This method of trim produces in general appearance after decoration the same effect as when the plaster is returned in the reveal to the window frame. It has been found actually cheaper in the average window to trim it in this fashion than to return the reveals in plaster, due to the care and consequent high labor charge which is necessary in preparing and plastering the narrow strip of reveal.

Sanitary Features

Because this trim is plastered-in without projecting mouldings or ledges it allows absolutely no place for vermin to lodge or nest. At the jamb angles a cove fitting is provided which makes it possible to keep these angles free of dust or dirt with minimum labor. A damp cloth wiped over the trim periodically keeps it in a sanitary, cleanly condition.

A Time Saver In Finishing The Building

When the time it takes to wait for plaster to dry and then to trim out in the usual manner is considered it becomes apparent that the use of the Knapp Sanitary Trim saves weeks in the completion date of the building. This trim is ready for decoration as soon as the plaster is.

Cost

Sanitary Trim and Stools are sold on the unit foot basis, prices varying according to the depth of reveal and the gauge of the metal. A fixed charge is made for each fitting and the attaching of same. These costs are available to architects on any specific building. Everything taken into consideration, this trim is much less costly than any other method on the market offering equivalent value.

*Kind and Gauge
of Metal Used*

All trim and stools are made of special tight coat galvanized steel only. For the average reveal of about 4 inches or less (in a thirteen-inch wall) 20 gauge metal is sufficiently heavy for jambs and heads. Stool pieces should always be made of 18 gauge metal. Where reveals are deeper than 4 inches, 18 gauge should invariably be used for all parts of the trim. Specifications should be carefully worded as to whether 20 or 18 gauge steel is desired.

*Method of
Installation*

The contractor is required to furnish us with a schedule of the windows, giving the exact dimensions between what are to be the finished jamb lines and the finished heads and stools and the depth of reveal. The four pieces comprising the jambs, head and stool are made to exact size, and the corner fittings are attached at the factory and the joints made practically invisible. The material is sent knocked-down (to make it easy to handle and erect and to save freight and cartage costs) to the job, where all the contractor has to do is to assemble the pieces and set the whole in place. The contractor has to prepare the opening with the necessary grounds beforehand.

*Time Consumed
In Erection*

Actual records show that two average men can assemble and erect two complete openings per hour. The trim is erected before plastering and acts as a ground line for the plasterer to work to.

*Grouting Under
Stools*

It is important to have the stool pieces set in a bed of cement or mortar grout so that it is solid beneath. Instructions on the manner of doing this are furnished to the contractor. Specifications should call for this grout under all stools.

Priming Coat

All window trim, stools and fittings are primed with our own special galvanic primer. This primer kills the oily surface of the galvanizing and sticks tightly to the metal. This primer is very tough and will not chip or flake off and can not be readily scraped off. It is water, acid and alkali-proof. Its principal function is to afford a base coat for subsequent decorations and any kind of paint or enamel finishes can be applied over the primer. It is not of itself intended for a finish. It is usual to paint the trim after plastering the same color as the walls. Stools are frequently, for practical reasons, given a dark colored finish. These finishes can be done in connection with other interior painting or decorating and by the same contractor.

*Style No. 302
Used as a
Stool Only*

Where window reveals are exceptionally deep it is sometimes thought economical and advisable to plaster the reveals and use a metal stool only. In these cases we provide a special cove corner fitting which allows our bull-nose corner head to be used to round and protect the edges of the opening.

*Style No. 304
Flat Stool*

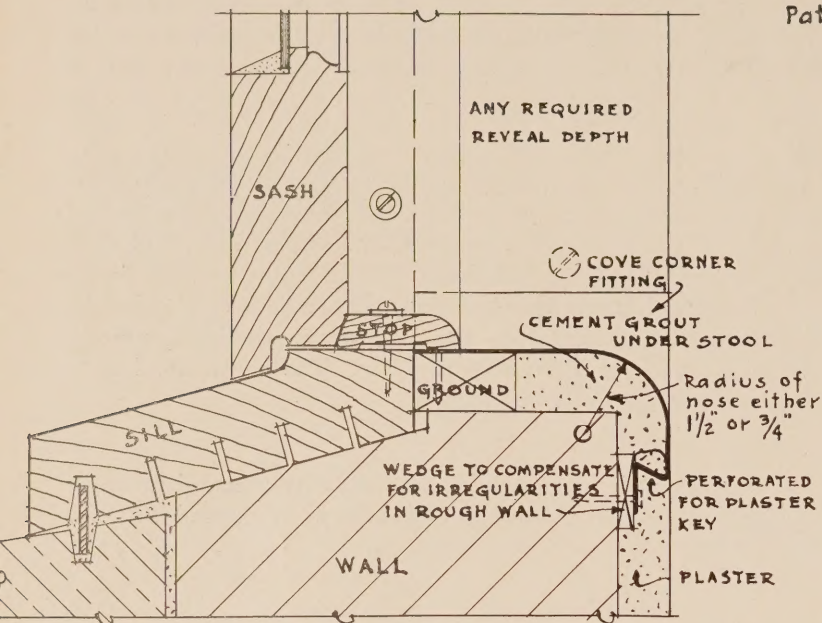
In some cases a flat stool with a projecting drip nose is desired. Our Style No. 304 Stool is intended for these cases. The same general principles of construction and erection apply to this design as to the others. The Style No. 302 used for jambs and heads with the Style No. 304 Stool is a popular combination.

*Style No. 305
Splay Stool*

This stool is like the Style No. 302 except that the reveal is on a splayed angle 30 degrees from the horizontal. This style is used where it is necessary to prevent the stool from being used as a shelf.

FLUSH METAL WINDOW TRIM STYLE 302 AND FITTINGS

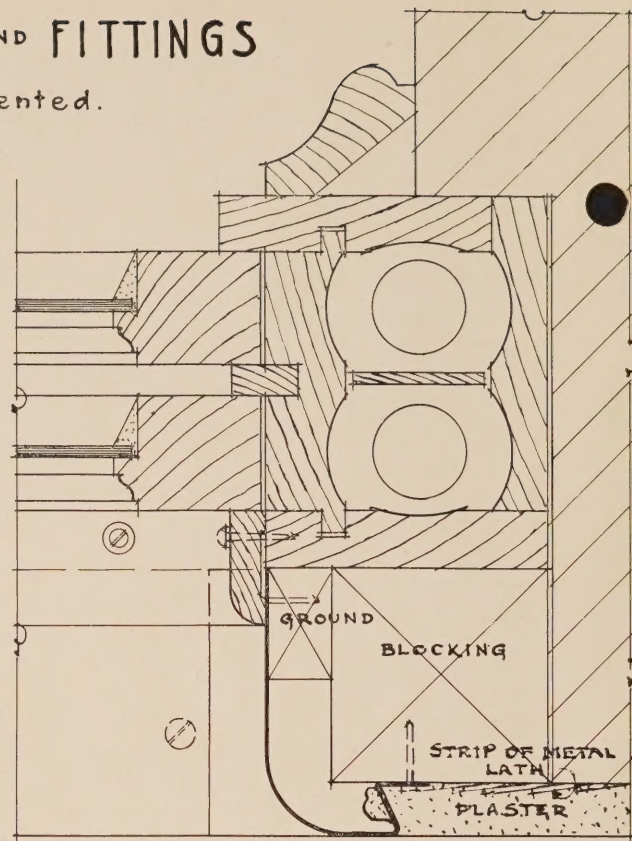
Patented.



SECTION THRU SILL

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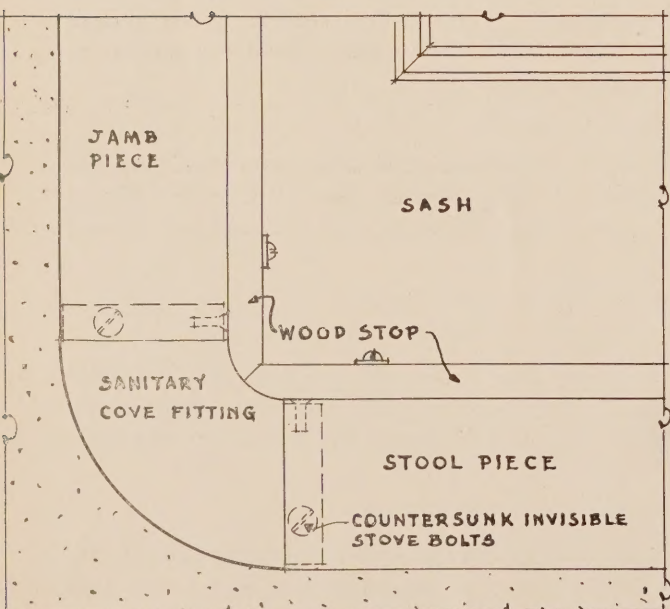
NOTE- Window trim is made up to requirements of openings and sent to the job knocked down but of exact size ready to set in place. Corner fittings attached at factory



PLAN SECTION THRU JAMB

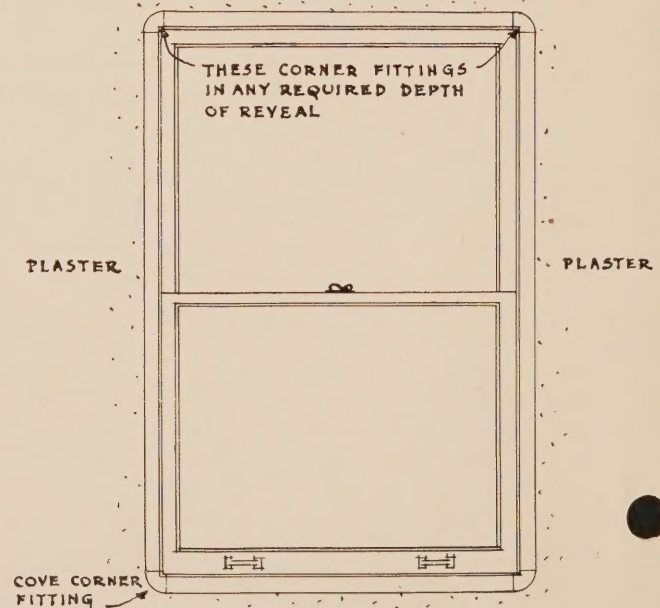
OFTYPICAL BOX FRAME

SCALE $\frac{3}{8}$ INCH = 1 INCH

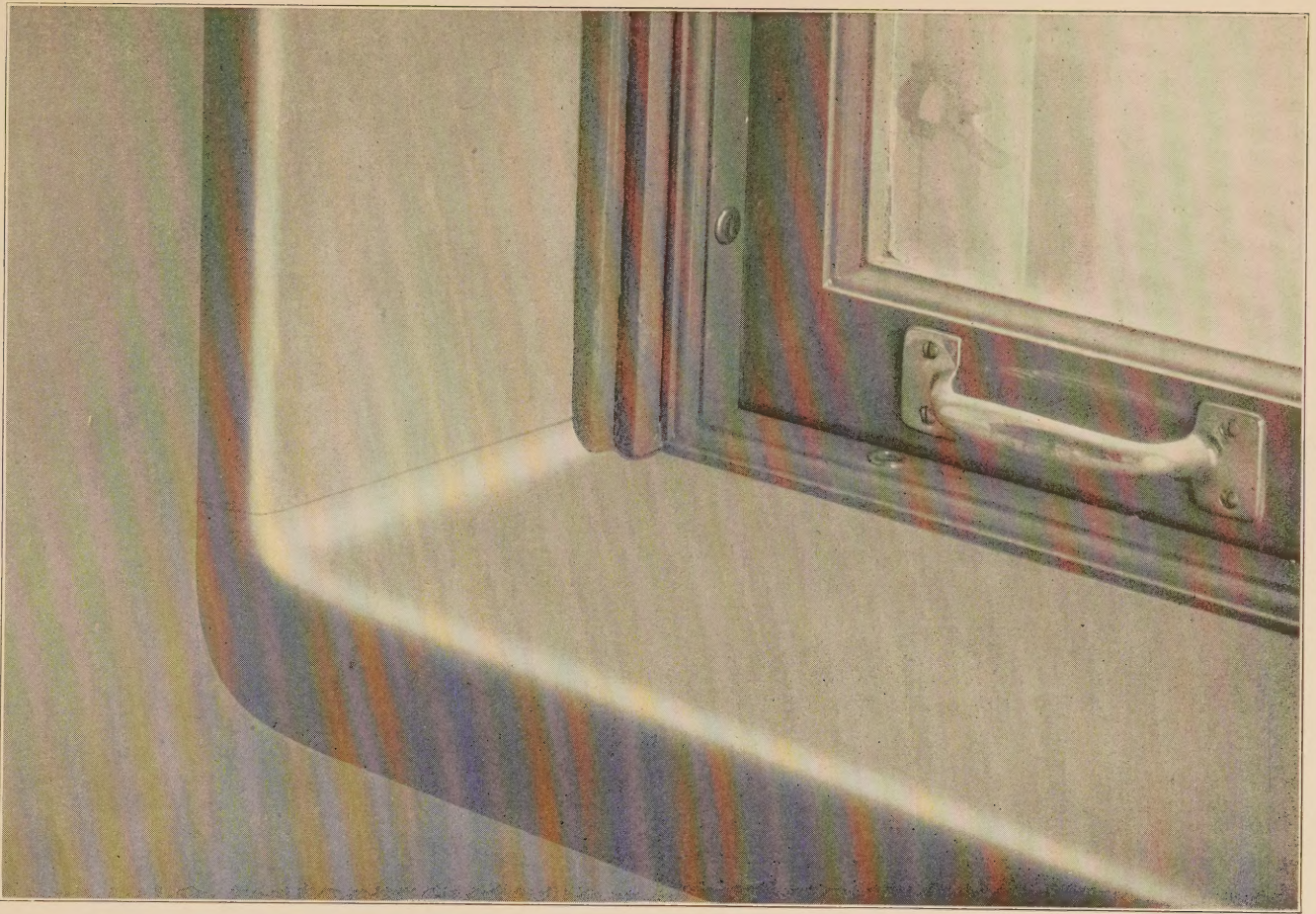


DETAIL ELEVATION OF CORNER FITTING

SCALE $\frac{1}{2}$ FULL SIZE



ELEVATION
OF INSIDE OF WINDOW



Detail Illustration of Sanitary Cove Angle between Stool and Jamb Pieces

SUGGESTIVE SPECIFICATION

Where Style No. 302 is used to Trim Entire Opening

Scope

All windows in outside walls of all rooms which are to be plastered shall be trimmed with Knapp Brothers Manufacturing Company's Flush Metal Trim, Style No. 302, including sanitary cove corner fittings in all angles of the openings. The depth of reveals on the inside will be as shown by details. The curvature of the nosing of the trim shall be $1\frac{1}{2}$ inches radius (or $\frac{3}{4}$ inch if desired).

Gauge and Kind of Metal

The jamb and head pieces shall be formed of No. 20 U. S. Gauge tight-coat galvanized steel except where depth of reveal exceeds four inches, in which case only No. 18 U. S. Gauge steel shall be used.

The stool piece shall be formed of No. 18 U. S. Gauge steel only.

The corner fittings shall be made of the best grades of cast iron, free of flaws.

Erection

Contractor will furnish manufacturers with exact dimensions between what will be the finish lines from jamb to jamb and from head to stool. Material will be accurately sized at the factory and fittings attached there with counter-sunk stove bolts, heads soldered over so as to be practically invisible and trim will thus be shipped knocked down, ready to erect in place. Wood grounds required by details will be furnished in place by this contractor.

Follow manufacturer's instructions as to assembly and erection.

Grout

The stool pieces shall be set in a bed of soft grout of wall plaster or cement so that when set it will be solid beneath.

Priming

Window trim shall be primed on its exposed face at the factory with grey galvanic primer. Fittings will be dipped in primer.

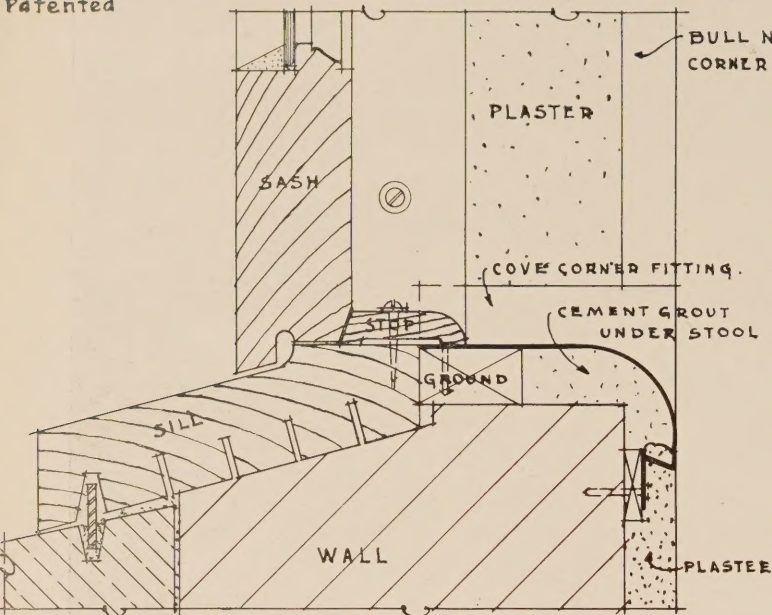
Finish

After plastering is completed, painter will clean off plaster cakes from surface of metal trim, putty all exposed counter-sunk screw holes, and paint to match walls. Stools will be painted a dark color as directed by Architect.

WINDOW STOOL STYLE 302 AND FITTING

USED WITH PLASTERED JAMBS.

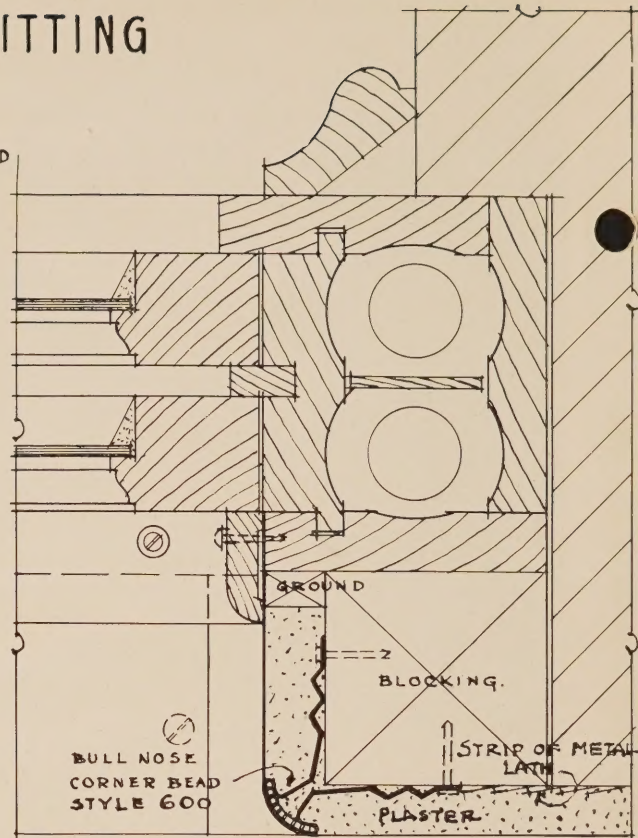
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SECTION THRU SILL

SCALE $\frac{3}{8}$ INCH = 1 INCH

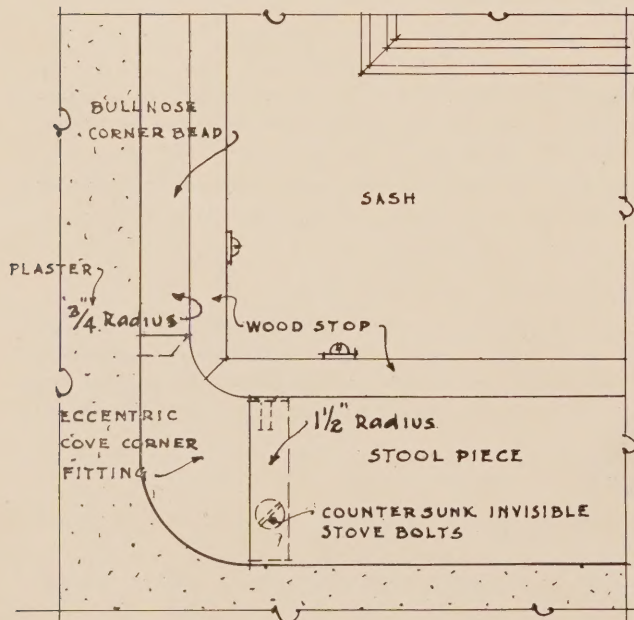
NOTE - This detail recommended where window reveals are exceptionally deep warranting the plastering of the jambs.
The curvature of the nose of this trim is either $1\frac{1}{2}$ " or $\frac{3}{4}$ " radii.



PLAN SECTION THRU JAMB

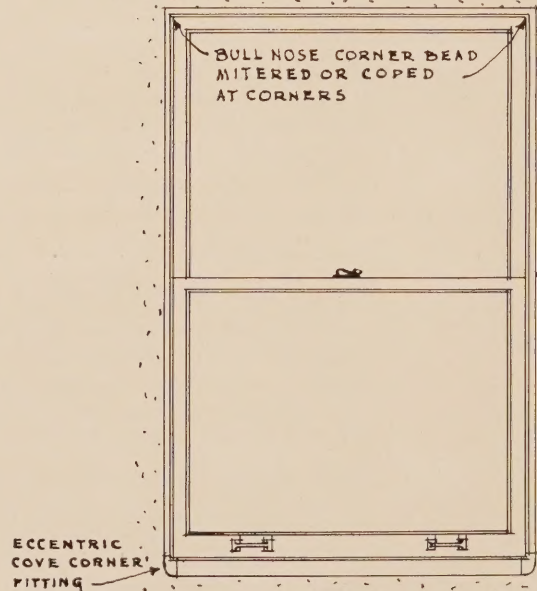
SCALE $\frac{3}{8}$ INCH = 1 INCH

NOTE - Any style of bull nose corner bead can be used on Jambs and Heads: either $\frac{3}{4}$ " or $1\frac{1}{2}$ " radius Nose

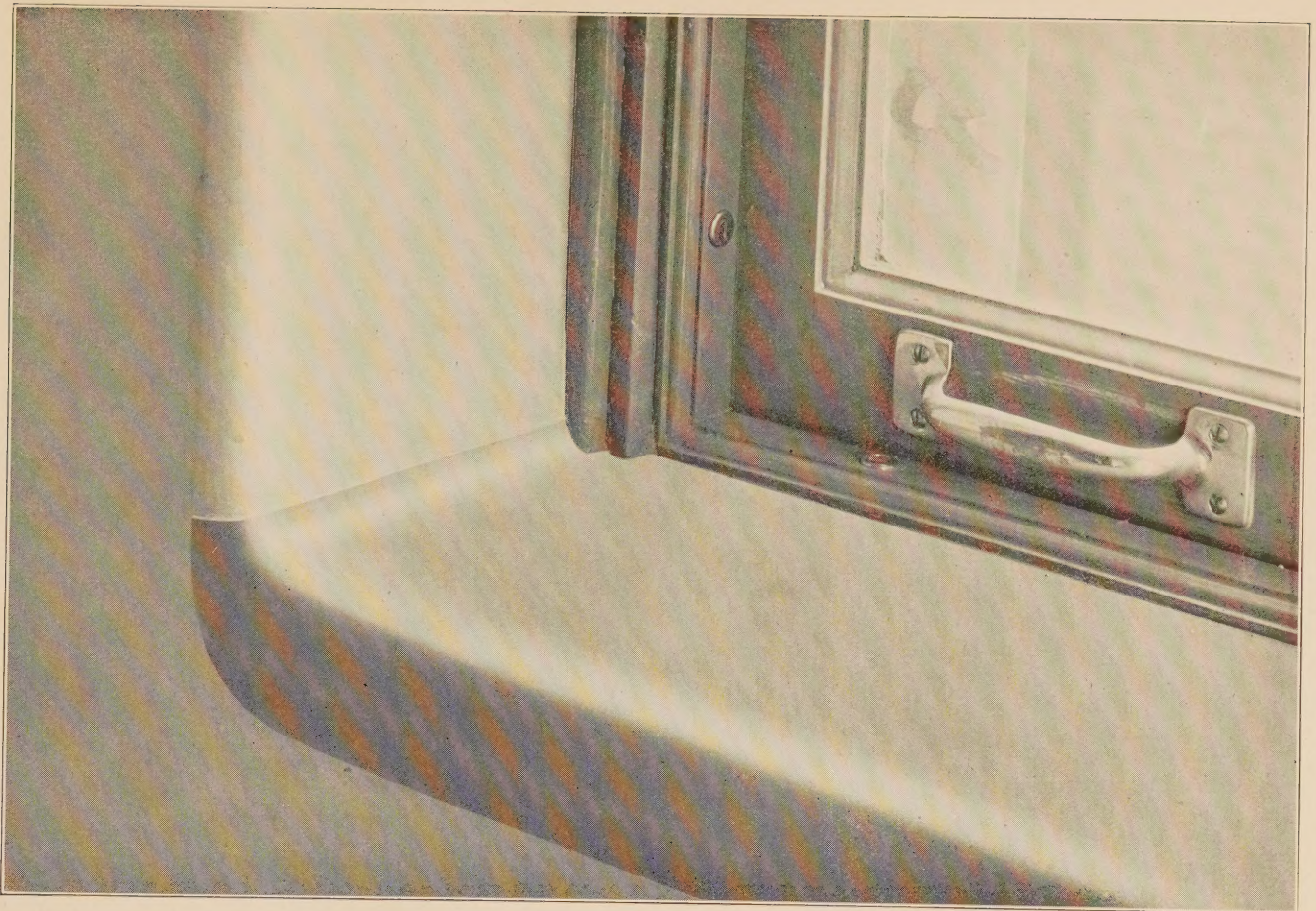


DETAIL ELEVATION OF CORNER FITTING

SCALE $\frac{1}{2}$ FULL SIZE



ELEVATION
OF INSIDE OF WINDOW.



Detail Illustration showing how Bull-Nose Corner Bead is used with Metal Stool

SUGGESTIVE SPECIFICATION

Where Style No. 302 is used as a Stool only

Scope

All windows in outside walls of all rooms which are to be plastered shall be provided with Knapp Brothers Manufacturing Company's Style No. 302 Metal Window Stool, including sanitary corner fittings in the angles. The depth of reveals on the inside of these windows will be as detailed and returned in plaster, but the corner angles shall be protected with Knapp Brothers Bull-Nose Corner Bead Style No. 600 (or other styles as illustrated on details).

Gauge and Kind of Metal

The stool shall be formed from No. 18 Gauge U. S. tight-coat galvanized steel. The sanitary corner fittings shall be made of the best grade of cast iron, free of flaws, and moulded to the profile of the stool and also to act as a saddle for the bead as detailed.

Erection

Contractor will furnish manufacturer with exact dimensions between what will be finished jamb lines, and stools will be accurately sized at the factory and fittings attached there with counter-sunk stove bolts, heads soldered over so as to be practically invisible. Stools will thus be shipped ready to erect in place. Follow manufacturer's instructions in erecting stools.

Bull-nose beads will be erected plumb and straight, sitting tight on top of sanitary stool fittings and will be neatly coped or mitered at head and jamb intersections. Bead will be substantially nailed with cement-coated nails. Both stools and beads shall be erected prior to plastering and will act as a screed for the plasterer.

Wood grounds required by details will be furnished in place by the contractor.

Grout

The stools shall be set in a bed of soft grout of wall plaster or cement so that when set it will be solid beneath.

Priming

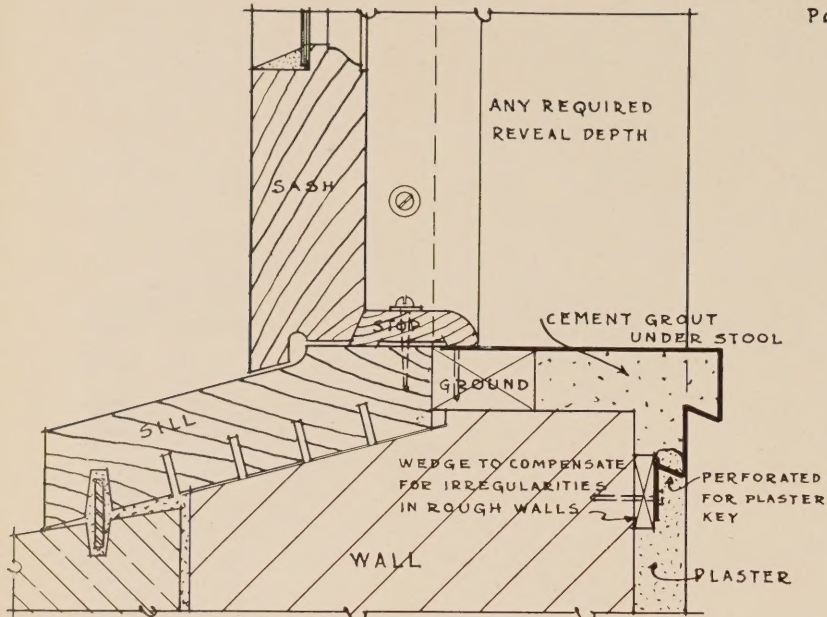
The exposed face of stool and beads will be primed at factory with grey galvanic primer. Fittings will be dipped in primer.

Finish

After plastering is completed, painter will clean off plaster cakes from surface of metal trim, putty all counter-sunk screw holes, and paint to match walls. Stools will be painted a dark color as directed by Architect.

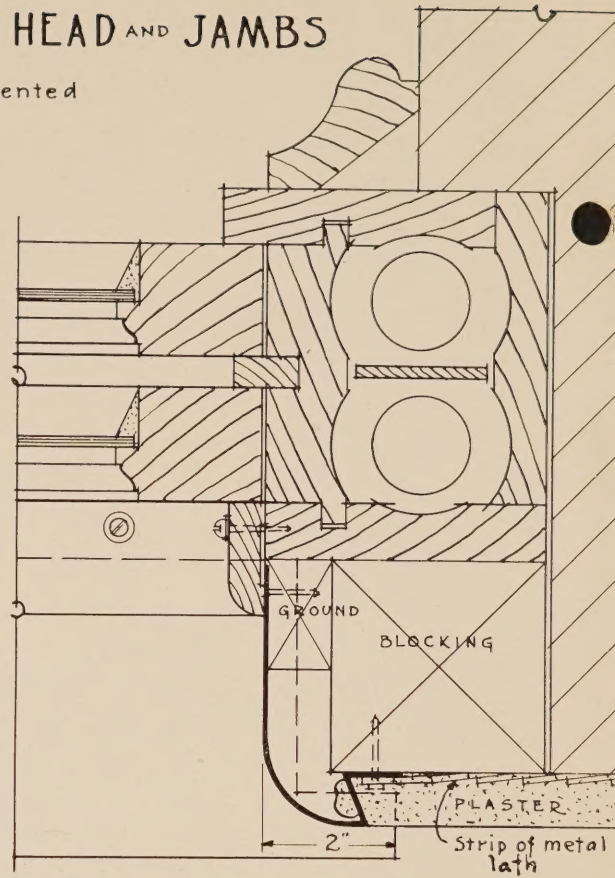
WINDOW STOOL STYLE 304 WITH 302 STYLE HEAD AND JAMBS

Patented



SECTION THRU SILL

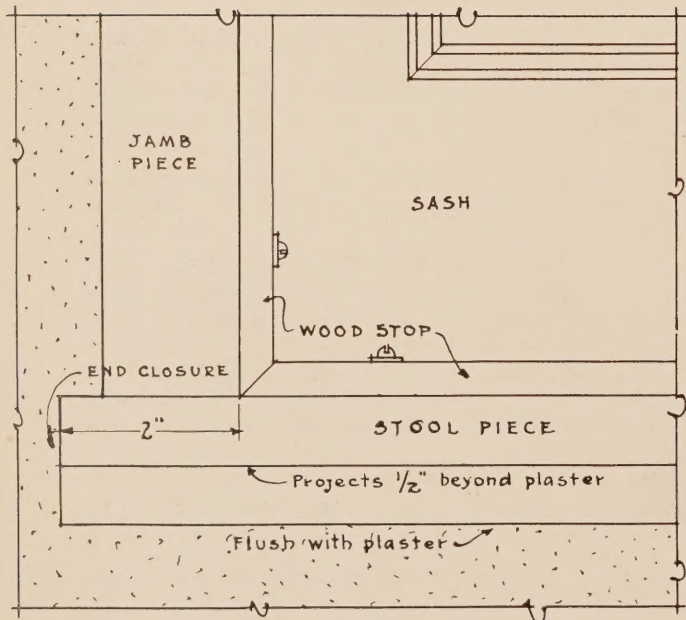
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PLAN SECTION THRU JAMB

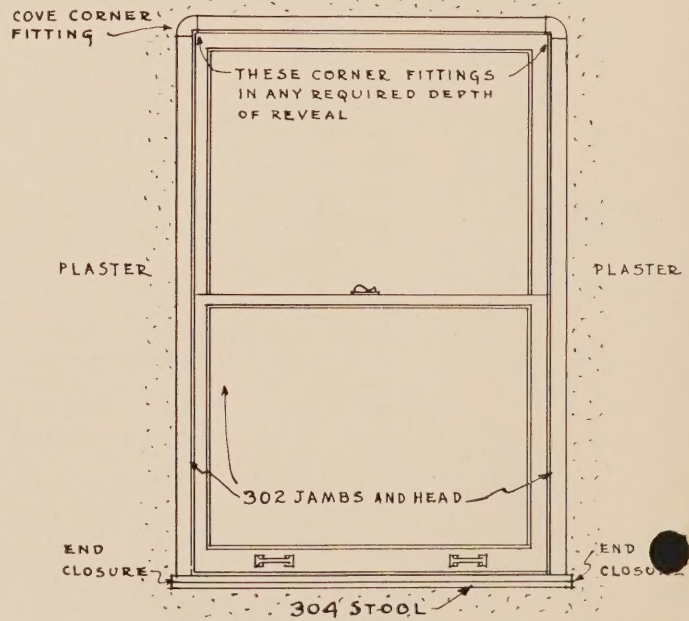
OF TYPICAL BOX FRAME

SCALE $\frac{3}{8}$ INCH = 1 INCH



DETAIL ELEVATION OF CORNER

SCALE $\frac{1}{2}$ FULL SIZE



ELEVATION
OF INSIDE OF WINDOW



Illustration of Windows with Style No. 304 Stool

SUGGESTIVE SPECIFICATION

Where Style No. 304 Stool is used with Style No. 302 Heads and Jambs

Scope

All windows in outside walls of rooms which are to be plastered shall be provided with Knapp Brothers Manufacturing Company's Style No. 304 Flat One-Piece Metal Window Stool and Style No. 302 Flush Metal Trim for the jambs and heads, including the sanitary cove corner fittings at the upper angles. The depth of reveal of these windows will be as detailed.

The stool is to be notched out at the jambs as shown by plan-section detail of a typical window. The jamb pieces are to set thereon.

Gauge and Kind of Metal

The jamb and head pieces shall be formed of No. 20 U. S. Gauge tight-coat galvanized steel except where depth of reveal exceeds four inches, in which case only No. 18 U. S. Gauge steel shall be used. The stool piece shall be formed of No. 18 U. S. Gauge steel only. The corner fittings shall be made of the best grades of cast iron, free of flaws.

Erection

Contractor will furnish manufacturers with exact dimensions between what will be the finish lines from jamb to jamb and from head to stool. Material will be accurately sized at the factory and fittings attached there with counter-sunk stove bolts, heads soldered over so as to be practically invisible and trim will thus be shipped knocked down, ready to erect in place. Wood grounds required by details will be furnished in place by this contractor. Follow manufacturer's instructions as to assembly and erection.

Grout

The stool piece shall be set in a bed of soft grout of wall plaster or cement so that when set it will be solid beneath.

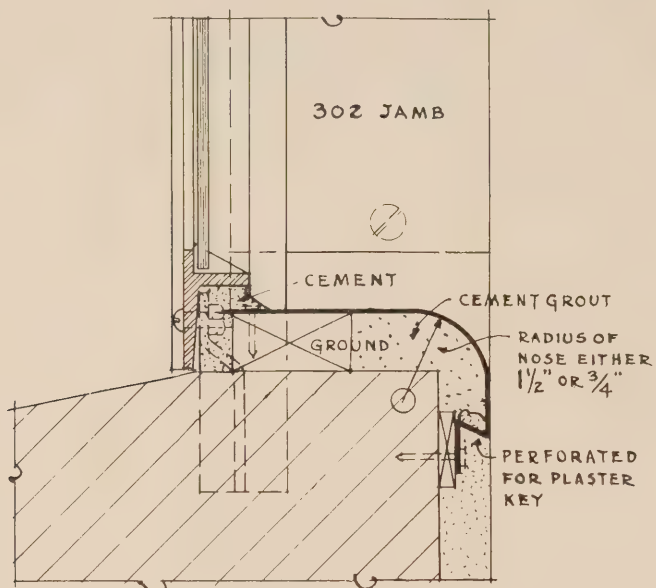
Priming

Window trim shall be primed on its exposed face at the factory with grey galvanic primer. Fittings will be dipped in primer.

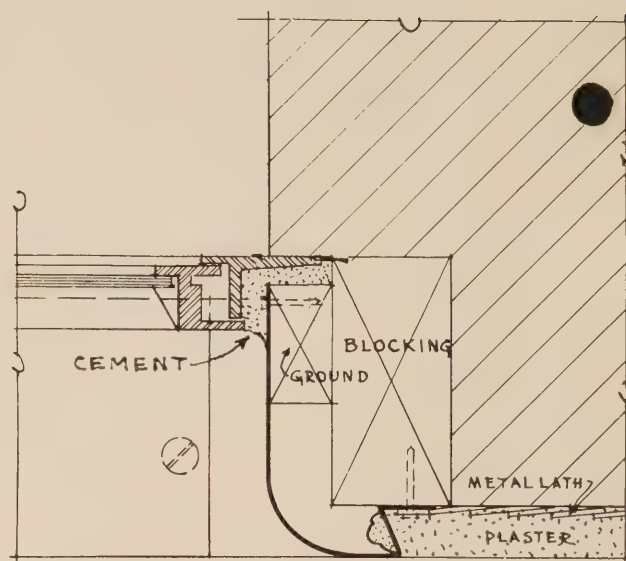
Finish

After plastering is completed, painter will clean off plaster cakes from surface of metal trim, putty all counter-sunk screw holes, and paint to match walls. Stools will be painted a dark color as directed by Architect.

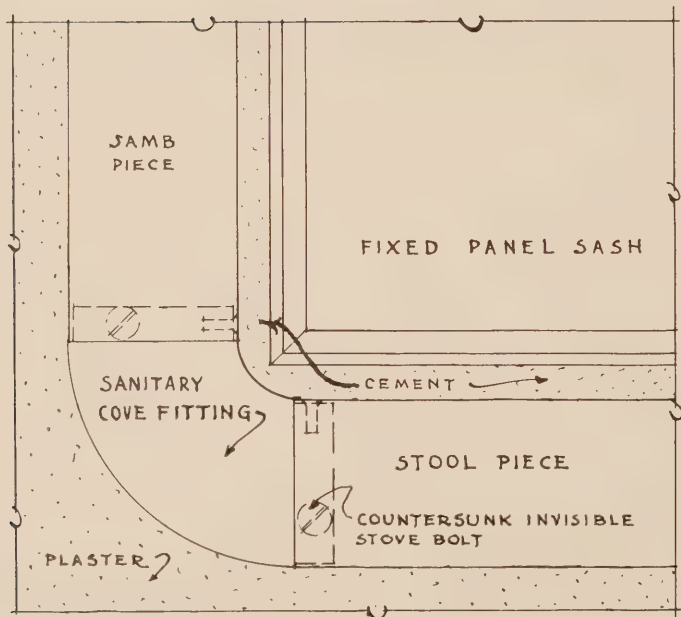
FLUSH METAL WINDOW TRIM STYLE 302 AND FITTINGS USED IN CONNECTION WITH STEEL SASH Patented



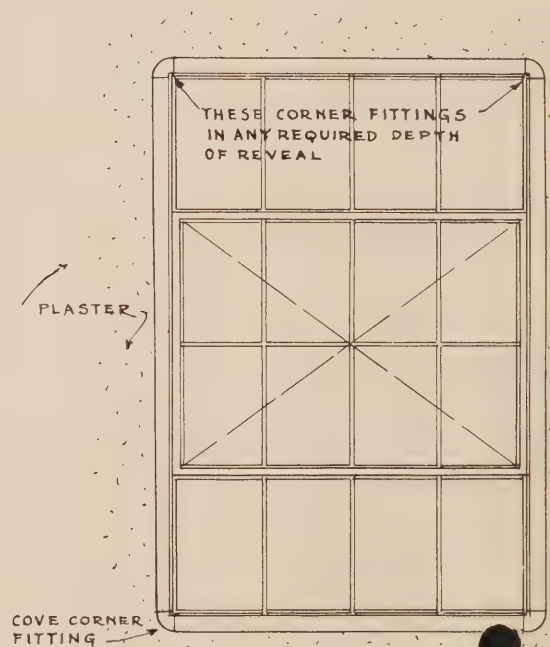
SECTION
SCALE $\frac{3}{8}$ INCH = 1 INCH



PLAN SECTION THRU JAMB
SCALE $\frac{3}{8}$ INCH = 1 INCH



DETAIL ELEVATION OF CORNER FITTING
SCALE $\frac{1}{2}$ FULL SIZE



ELEVATION
OF INSIDE OF WINDOW

This system of Metal Window Trim can be used equally well with any make of Steel Sash. This illustration shows a typical detail.

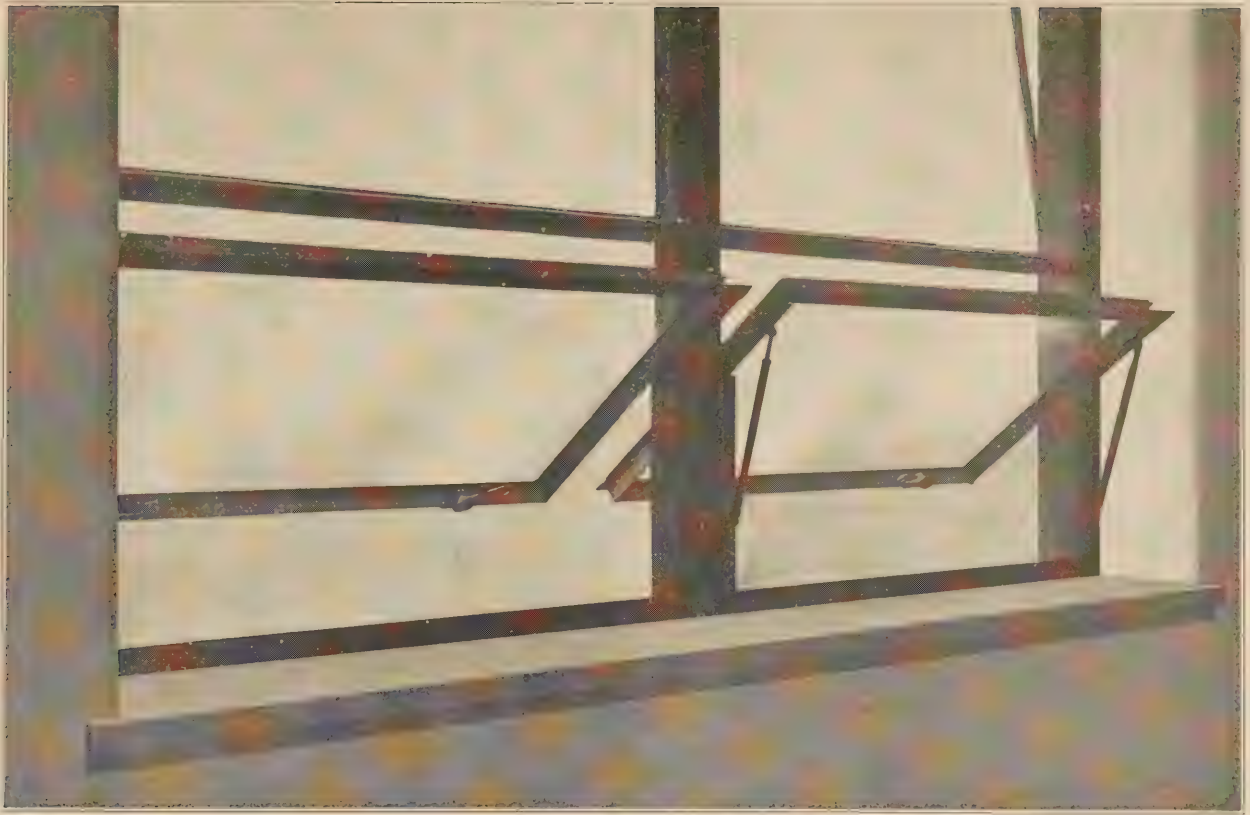


Illustration of Style No. 304 Flat Stool used with Steel Sash



Illustration of Style No. 305 Splay Stool



Knapp Brothers Manufacturing Co. make a large line of Sanitary Metal Trim, including therein the articles represented and listed below. Literature thereon will be sent on application.

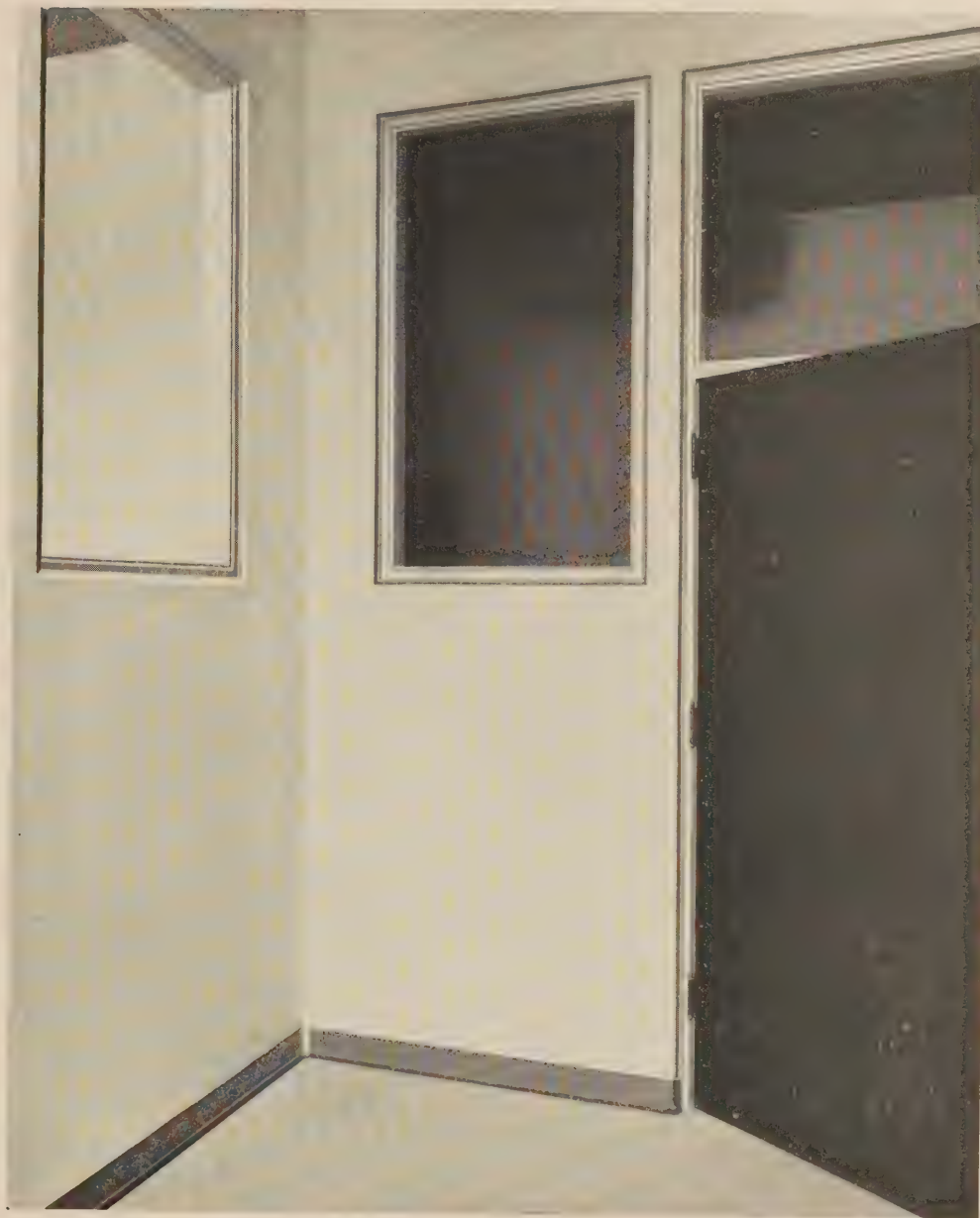


- | | |
|---------------------------------|---|
| I. Flush Metal Picture Mould. | 1. Flush Metal Window Trim. |
| II. Flush Metal Chair Rail. | 2. Cove Corner Fitting for window trim. |
| III. Flush Metal Cove Base. | 3. Flush Joint Plate for base. |
| IV. Flush Metal Door Casing. | 4. Inside Corner Fitting for base. |
| V. Bull-Nose Metal Corner Bead. | 5. Sanitary Plinth Fitting for base. |
| | 6. Bull-Nose Corner Fitting for base. |
| | 7. Outside Corner Fitting for chair rail. |
| | 8. Inside Corner Fitting for chair rail. |
| | 9. End Stop Fitting for chair rail. |

The principal articles in the line will be found listed in Sweet's Architectural Catalogue

Knapp Sanitary Metal Base

Styles 202-205-501-204-203




Photograph taken in a United States Public Health Service Hospital, showing Sanitary Flush Metal Base and Casings. James A. Wetmore, Acting Supervising Architect

Knapp Brothers *Knapp* **Manufacturing Co.**
55th Court at 14th St. CHICAGO, ILL.





Introductory

 IN this brochure on Sanitary Metal Base, glittering generalities and mere sales propaganda are eliminated and the attempt is made to present in brief and condensed form such information and facts as will enable the architect, the engineer or the builder to use these materials understandingly and to give the draughtsman and specification writer the details necessary to the preparation of working drawings and specifications.

Knapp Sanitary Base designs are no innovation. They have been used for ten years. Improvements have been made to meet varying conditions of construction and to overcome criticism which grew out of earlier experiences.

Knapp Brothers Manufacturing Company is the originator and pioneer of the Sanitary Metal Trim Industry. Its study and effort is confined to this art and dedicated to its future improvement and development.

Constructive criticisms and suggestions are invited from all sources and will be given grateful and careful attention.

Brief, To-the-Point Facts About Sanitary Metal Base

MATERIALS. They are manufactured of tight-coat galvanized steel.

GAUGE. The 202, 205 and 501 styles are made from the both 18-gauge and 20-gauge; the 203 and 204 styles from 20-gauge only.

PRIMER PAINT. The exposed surfaces are primed at the factory with a galvanic primer which gives a flat finish and becomes a bond over which any type of decorative finish, such as enamel, stain, paint, etc., can be spread and will adhere to the metal.

FITTINGS AT CORNERS, DOORWAYS, ETC. A complete line of cast iron fittings is made to form inside and outside corners; returns or plinths at doors; and end stops for other terminating points. The corner fittings are made for square corners; $\frac{3}{4}$ " radial curved corners or $1\frac{1}{2}$ " radial curved corners. The fittings for doorways are either the Sanitary Plinth (used only in connection with Sanitary Casings); the plinth block for wood casings or the end stop which provides a means for stopping the base and returning the cove to the wall. All fittings are easily attached and necessary machine screws and bolts are furnished for the purpose. Splice plates are furnished to make neat splice joints.

CURVED WORK. Metal Base is designed primarily for straight runs. Curved work can be had to meet special conditions, but as curved work is difficult hand work and is expensive, it is best to avoid it where possible. Each case has to be treated as an individual problem.

STOCK LENGTHS AND HEIGHTS. All styles of base are furnished either 4" or 6" high and in stock lengths of 10'. They can, however, be furnished in 6', 7', 8' or 9' lengths at a 10% extra cost.

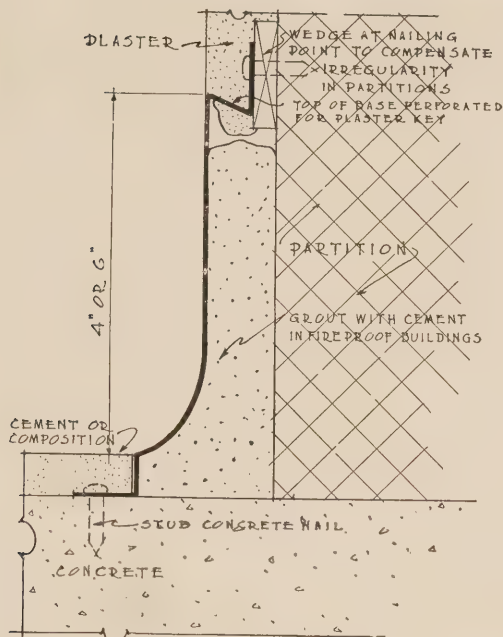
TOOLS AND ERECTION INSTRUCTIONS. Tools for the proper erection of base are furnished when ordered. Complete instructions are furnished the erecting contractor. In large installations a competent supervisor is sent, if requested, to assist the contractor in erection problems.

SPECIFICATIONS. Suggested brief specifications are given herewith. These suggestions can be enlarged upon as the specification writer may see fit.

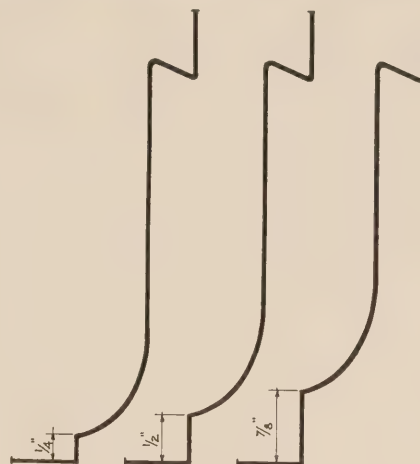
Knapp

SANITARY
METAL
TRIM
MADE IN U.S.A.

Flush Metal Cove Base (Patented) Style No. 202



SECTION 1/2 FULL SIZE



202 STYLE BASE

is made with the floor attachment flange 1/4", 1/2" or 7/8" deep to allow for different thickness of finished flooring materials.

This base is made of 18 or 20-gauge galvanized steel.

Fittings are furnished to form corners and returns at door, etc. (See page seven.)

Used largely with cement or composition finished floors. Its use is not recommended with wood floor joist construction.

No wood grounds necessary.

This base acts as screed ground for plaster and finished floor.

Does not shrink, warp, crack or break.

SUGGESTED SPECIFICATION

When Style 202 is to be used

SCOPE OF USE. Metal Cove Base is to be used at the intersection of floors and walls or partitions throughout the building except as otherwise called for. (State exceptions here.)

TYPE OF BASE. The base to be used shall be Knapp Brothers Manufacturing Company Style 202 Flush Cove Base 4" high (or 6" if desired), made of 20 U. S. gauge tight-coat galvanized steel (or 18 gauge if desired), and the base shall be primed on the exposed face at the factory with gray galvanic primer.

FITTINGS. At all corners both interior and exterior in all rooms and spaces provide 3/4" radius corner fittings which shall be attached to ends of base by concealed stove bolts. (See page 7 for other styles of corner fittings.)

At all door openings provide a Sanitary Flush Plinth (or other style of terminating fitting) which shall be similarly attached to the ends of base.

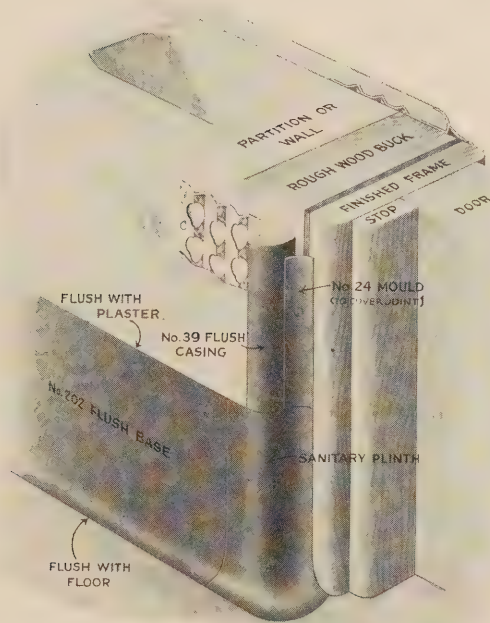
At other terminating points, such as at the head of stairs, provide an end-stop fitting. All fittings to be made of cast iron, free of flaws, and dipped in primer at the factory.

ERECTION. Base shall be erected before plastering and shall be so set as to form a ground screed for plaster and for the finished floor. Care shall be taken to have same perfectly level and in true plane with the plaster. Where necessary to compensate for irregularities in the rough wall, wedge out behind upper nailing flange with wood wedges. Base shall be substantially nailed at frequent intervals with cement coated nails as indicated by detail.

In fitting base to spaces, measurements shall be made and base lengths sawed to size on the job. For this purpose use Saw and Mitre Box furnished by manufacturers. Fittings before mentioned will be attached as per manufacturer's instructions, and contractor will use the punch block made for locating holes in base flange for stove bolts. **GROUT.** After base is in place grout behind same with a mixture of Portland cement and sand mixed 1 to 3 to about the consistency of a thick sirup and poured with a grouting can through the holes in the upper flange of base. (Note: Grouting is not essential to a good base job. In fireproof buildings it is recommended for heat resistance and for general solidity.)

PROTECTION FOR BASE. Base shall be protected against damage during building operations. When plastering, lay building paper or other protecting materials along the cove to catch plaster droppings. Upon completion of plastering and floor work remove all plaster or cement from the base, and where necessary for this purpose employ steel wool.

FINISH. When finishing and painting, contractor shall give the metal base a coat of enamel undercoater and two coats of hospital enamel in colors as selected taking care to stripe the top and bottom of base in straight, even line. (Other finishes can be used.)

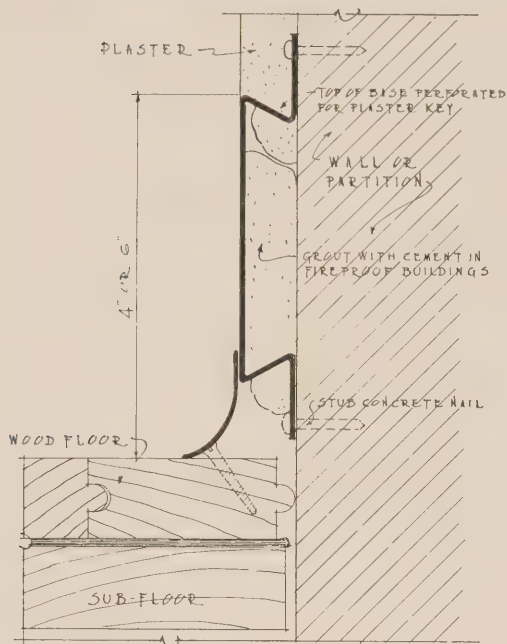


202 STYLE BASE

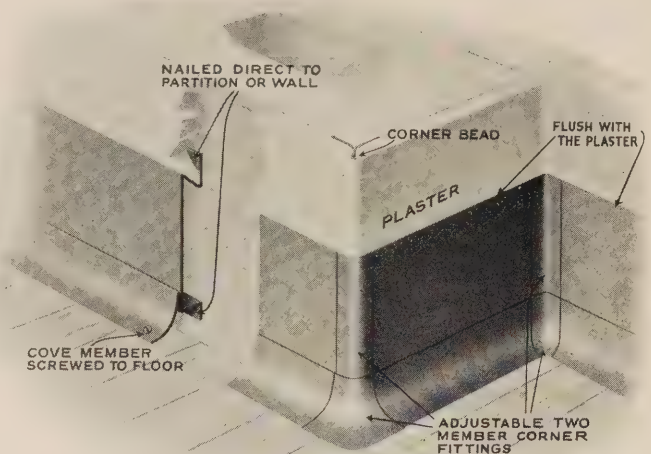
Showing Sanitary Plinth Fitting at the Door



Sanitary Metal Cove Base Patent (Pending) Style No. 205



SECTION 1/2 FULL SIZE



STYLE 205 BASE

Showing Adjustable Cove Member and Corner Fittings

This base has the flush-with-plaster feature of Style 202, but has an adjustable cove member which allows regulation to shrinkage or settlement in the floor. Its use is recommended with wood floor joist construction.

SUGGESTED SPECIFICATION

When Style 205 is to be used

SCOPE OF USE. Metal Cove Base is to be used at the intersection of floors and walls or partitions throughout the building except as otherwise called for. (State exceptions here.)

TYPE OF BASE. The base to be used shall be Knapp Brothers Manufacturing Company Style 205 two member Flush Cove Base 4" high (or 6" if desired), made of 20 U. S. gauge tight-coat galvanized steel (or 18 gauge if desired) and the base shall be primed on the exposed face at the factory with gray galvanic primer.

FITTINGS. At all corners, both exterior and interior, in all rooms and spaces where base is used, provide 3/4" radius two member Cove Fittings. The upper member of the fitting to be attached to the upper member of the base, the Cove member to be attached to the Cove member of the base.

At all door openings provide a Sanitary Flush Plinth (or other style of terminating fitting), which shall be similarly attached to the ends of base.

At other terminating points, such as at the head of stairs, provide an end-stop fitting. All fittings to be made of cast iron, free of flaws and dipped in primer at the factory.

ERECTION. The upper flush member is to be erected before plastering and is to be set to act as a ground screed for plaster and must be in true plane therewith. Care must be taken to have it parallel with the floor and so that the cove member will lap at least 3/4" over. Where necessary to compensate for irregularities

in the rough wall, wedge out behind nailing flange with wood wedges. Base shall be substantially nailed at frequent intervals with cement coated nails, as indicated by detail.

The cove member will not be erected until after the finished floor is laid and scraped. This member will be screwed to the floor, but tight contact shall be made with the upper member.

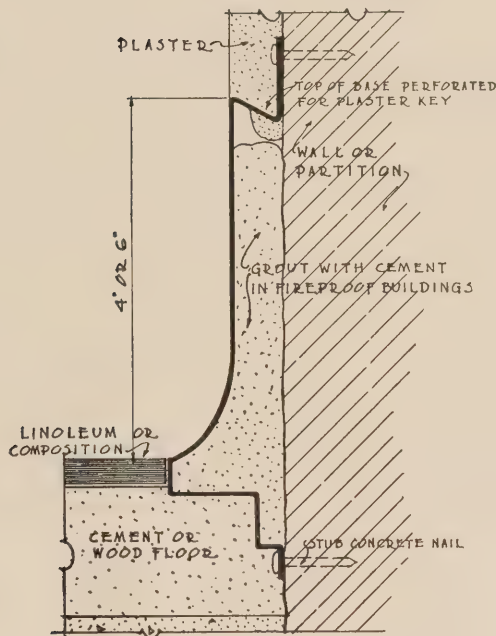
In fitting base to spaces, measurements shall be made and base lengths sawed to size on the job. For this purpose use Saw and Mitre Box furnished by manufacturers. Fittings, before mentioned, will be attached as per manufacturer's instructions, and contractor will use the punch block made for locating holes in base flange to receive bolts.

GROUT. After base is in place grout behind upper member of same with a mixture of Portland cement and sand mixed 1 to 3 to about the consistency of a thick sirup and poured with a grouting can through the holes in the upper flange of base. (Note: Grouting is not essential to a good base job. In fireproof buildings it is recommended for heat resistance and for general solidity.)

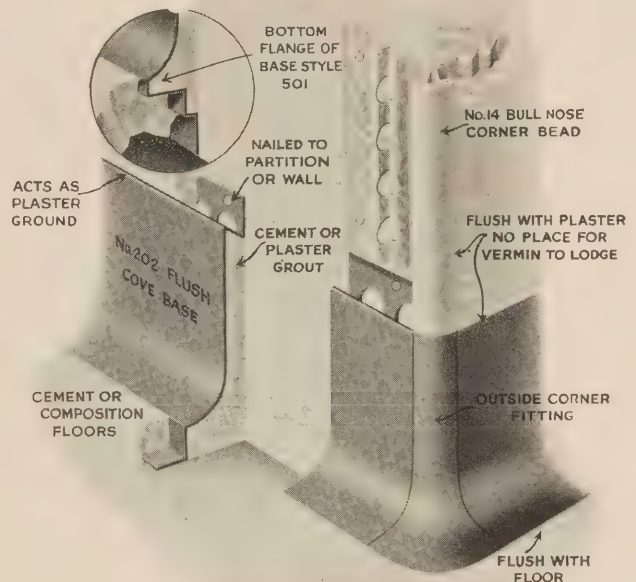
PROTECTION FOR BASE. Base shall be protected against damage during building operations. Upon completion of plastering and floor work remove all plaster or cement from the base and where necessary for this purpose employ steel wool.

FINISH. When finishing and painting, contractor shall give the metal base a coat of enamel undercoater and two coats of hospital enamel in colors as selected, taking care to stripe the top and bottom of base in straight even line. (Other finishes can be used.)

Flush Metal Cove Base (Patented) Style No. 501



SECTION 1/2 FULL SIZE
Note Method of Attachment



FLUSH METAL COVE BASE

Showing an Exterior Corner with the Bull-Nose Corner Fitting used with a Bull-Nose Corner Bead

Style 501 Base is the same in all particulars as Base Style 202 except for the difference in the lower flange which is designed in 501 to be attached to the wall or partition instead of to the floor.

SUGGESTED SPECIFICATION

When Style 501 is to be used

SCOPE OF USE. Metal Cove Base is to be used at the intersection of floors and walls or partitions throughout the building except as otherwise called for. (State exceptions here.)

TYPE OF BASE. The base to be used shall be Knapp Brothers Manufacturing Company Style 501 Flush Cove Base 4" high (or 6" if desired), made of 20 U. S. gauge tight-coat galvanized steel (or 18 gauge if desired), and the base shall be primed on the exposed face at the factory with gray galvanic primer.

FITTINGS. At all corners, both interior and exterior, in all rooms and spaces provide 3/4" radius corner fittings, which shall be attached to ends of base by concealed stove bolts. (See page 7 for other styles of corner fittings.)

At all door openings provide a Sanitary Flush Plinth (or other style of terminating fitting), which shall be similarly attached to the ends of base.

At other terminating points, such as at the head of stairs, provide an end-stop fitting. All fittings to be made of cast iron free of flaws and dipped in primer at the factory.

ERECTION. Base shall be erected before plastering and shall be so set as to form a ground screed for plaster and for the finished floor. Care shall be taken to have the same perfectly level and in true plane with the plaster. Where necessary to compensate for irregularities in the rough wall, wedge out behind nailing flange

with wood wedges. Base shall be substantially nailed at frequent intervals with cement coated nails as indicated by details.

In fitting base to spaces, measurements shall be made and base lengths sawed to size on the job. For this purpose use Saw and Mitre Box furnished by manufacturers. Fittings before mentioned will be attached as per manufacturer's instructions, and contractor will use the punch block made for locating holes in base flange for stove bolts.

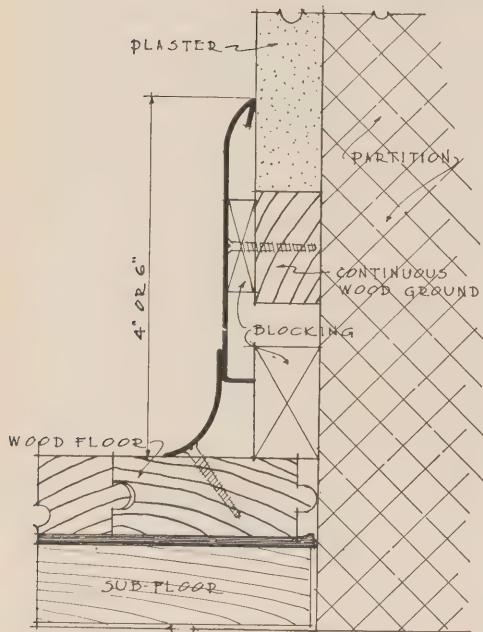
GROUT. After base is in place grout behind same with a mixture of Portland cement and sand mixed 1 to 3 to about the consistency of a thick sirup and poured with a grouting can through the holes in the upper flange of base. (Note: Grouting is not essential to a good base job. In fireproof buildings it is recommended for heat resistance and for general solidity.)

PROTECTION FOR BASE. Base shall be protected against damage during building operations. When plastering, lay building paper or other protecting materials along the cove to catch plaster droppings. Upon the completion of plastering and floor work remove all plaster or cement from the base and where necessary for this purpose employ steel wool.

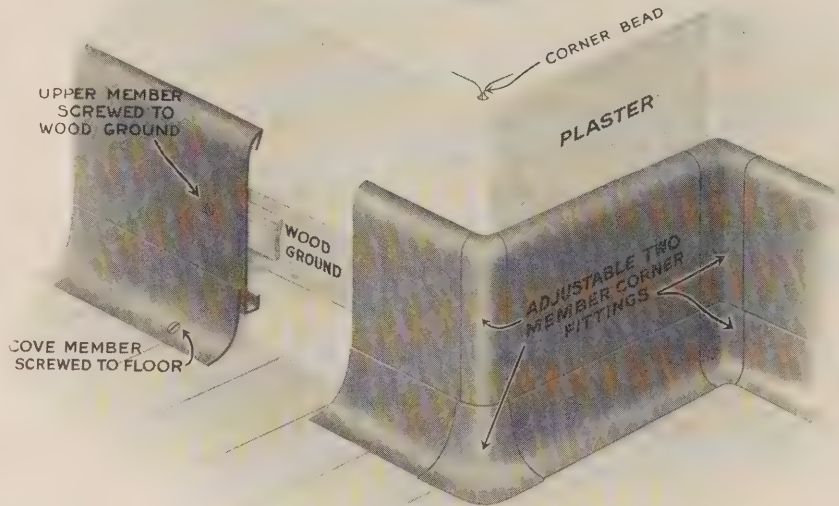
FINISH. When finishing and painting, contractor shall give the metal base a coat of enamel undercoater and two coats of hospital enamel in colors as selected, taking care to stripe the top and bottom of base in straight even line. (Other finishes can be used.)



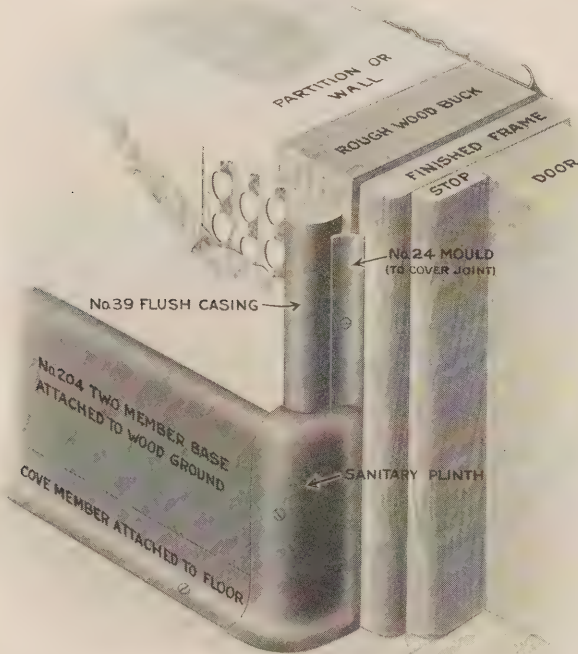
Sanitary Metal Cove Base ^{Patent} (Pending) Style No. 204



SECTION $\frac{1}{2}$ FULL SIZE
Two Grounds Required for the 6 inch Base



STYLE 204 BASE
Showing Adjustable Cove Member and Corner Fittings



204 STYLE BASE
Showing Sanitary Plinth Fitting at the Door

This base is largely used with wood joist construction or in other conditions where shrinkage or settlement is liable to be excessive.

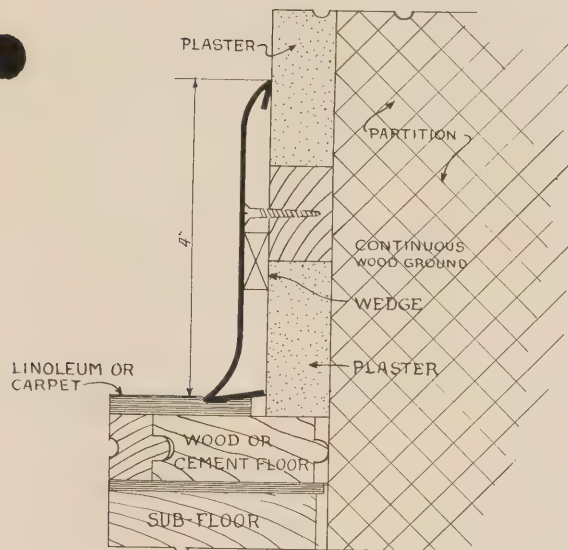
The adjustable cove allows the base to be regulated to the shrinkage.

This base is well adapted to office buildings, where opportunity is afforded to run telephone wires around the room concealed behind the base.

The specification follows exactly the same line as that suggested for Style 203 except for the lower member, which should be specified as being attached to the floor.



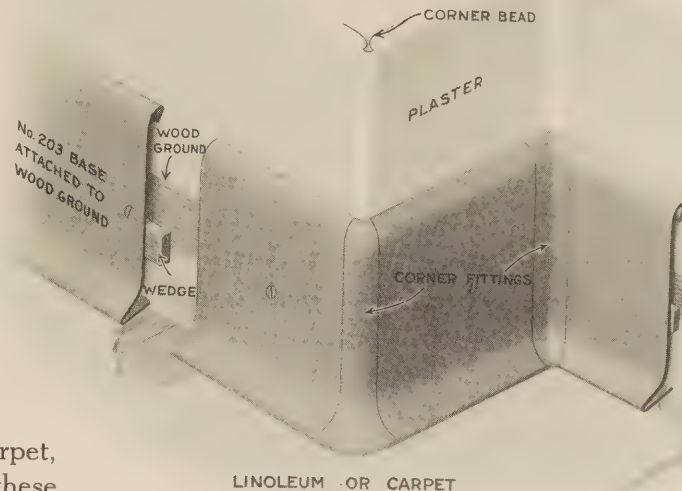
Sanitary Metal Cove Base Style No. 203



SECTION 1/2 FULL SIZE

This base is largely used over linoleum or carpet, as it makes a good edge binder for these materials, and provides a close contact therewith.

Two Grounds Required for 6" Base



203 STYLE BASE

Showing Corner Fittings

SUGGESTED SPECIFICATION

When Style 203 is to be used

SCOPE OF USE. Metal Cove Base is to be used at the intersection of floors and walls or partitions throughout the building except as otherwise called for. (State exceptions here.)

TYPE OF BASE. The base to be used shall be Knapp Brothers Manufacturing Company Style 203 one member Cove Base 4" high (or 6" if desired), made of 20 U. S. gauge tight-coat galvanized steel, and the base shall be primed on the exposed face at the factory with gray galvanic primer.

FITTINGS. At all corners, both interior and exterior, in all rooms and spaces, provide square corner fitting which shall be attached to ends of base by flush head machine screws.

At all door openings provide a Sanitary Plinth (or other style of terminating fitting), which shall be attached to ends of base by a flush head machine screw.

At other terminating points, such as at the head of stairs, provide an end-stop fitting. All fittings to be made of cast iron, free from flaws, and dipped in primer at the factory.

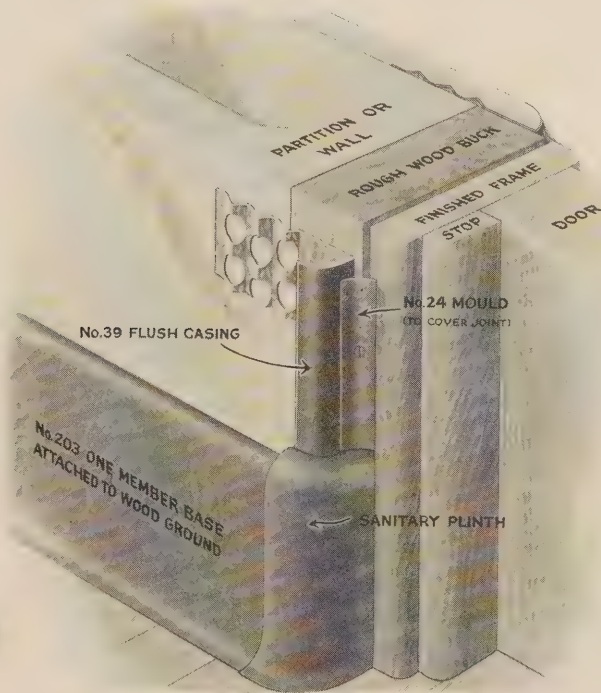
ERECTION. 7/8"x2" wood grounds, located as shown by detail, shall be furnished and set by the contractor where base is to be used. Also set blocking at intervals at floor line to hold base in true plane—see detail.

The base shall be set after finished linoleum (or carpet) is laid and be screwed tight to the ground. At all screw points, however, a wood block will be used over the ground to prevent depression in the base at these points. In placing base over linoleum (or carpet) see that a close contact is made therewith.

Base will be screwed to wood grounds with flush head No. 6 screws, spaced about 18" O. C. Punching holes for these screws in base will be done at factory. Where necessary to punch any additional holes on the job same shall be done with punch block furnished by manufacturers.

In fitting base to spaces, measurements shall be made and base lengths sawed to size on the job. For this purpose use Saw and Mitre Box furnished by manufacturers. Fittings before mentioned will be attached as per manufacturer's instructions, and contractor will use the punch block made for locating holes.

FINISH. When finishing and painting, contractor shall give the metal base a coat of enamel undercoater and two coats of hospital enamel in colors as selected, taking care to stripe the top and bottom of base in straight even line. (Other finishes can be used.)



STYLE 203 BASE

Showing Sanitary Plinth Fitting at the Door



Corridor in St. Elizabeth Hospital, Lincoln, Neb.
J. M. Nachtigall, Architect



Corridor in U. S. Public Health Service Hospital
J. A. Wetmore, Supervising Architect

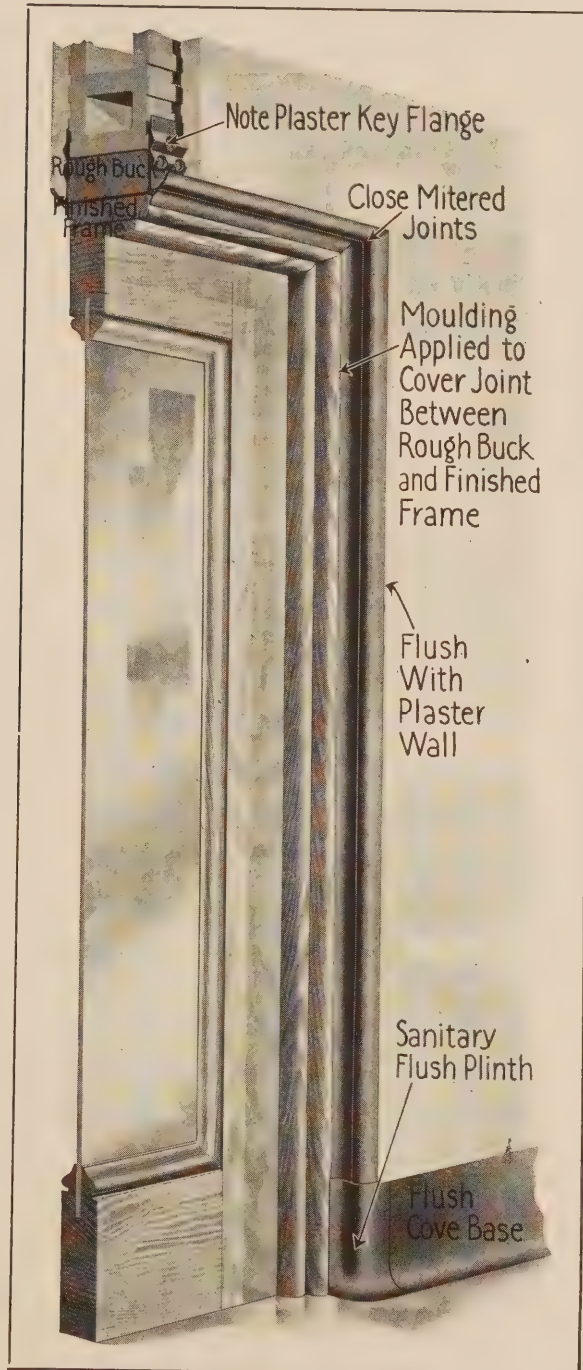


METAL CASINGS

STYLES 34-35-36-37-39-40-41-70-71-72-73-74-75-76-77-78

ALL CASINGS FURNISHED IN STOCK LENGTHS — 6'-7'-7'4"-8'-9'-10'-12'

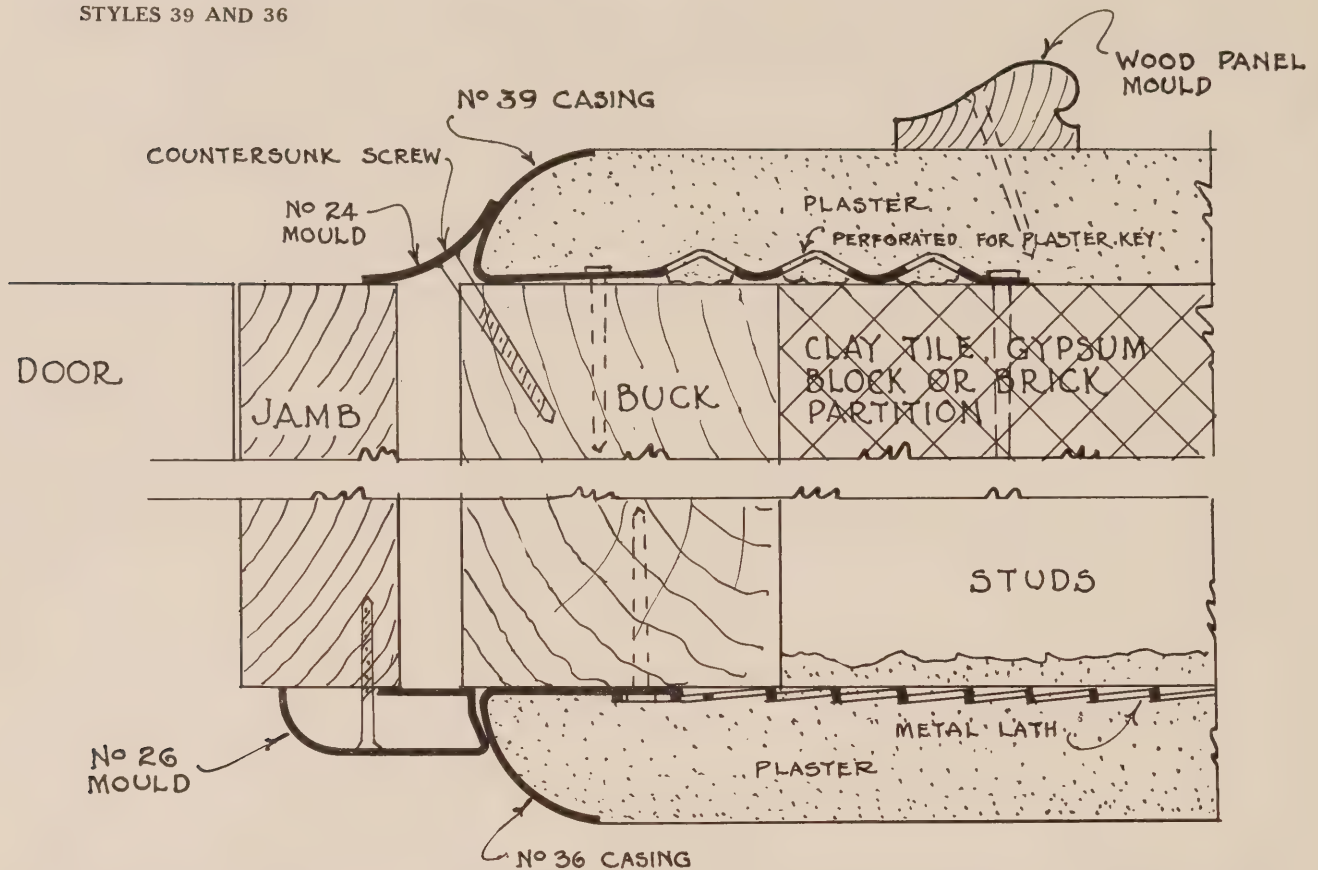
Knapp Metal Casing is an important part of the complete line of Knapp Sanitary Metal Trim. This fact is attested to by the wide use of Knapp Metal Casing in fine buildings everywhere. It is especially adapted for use in all kinds of public buildings, hotels, hospitals and schools.



The accompanying drawing, in addition to indicating in a small measure the handsome simplicity of Knapp Flush Door Casing, also suggests its sound structural merits. The drawings and explanations on the following pages describe the various styles of Knapp Metal Casing in detail.



STYLES 39 AND 36



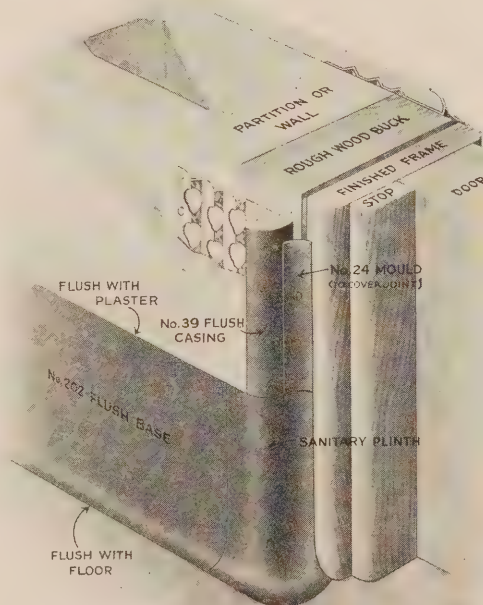
This folder on Knapp Flush Metal Casing is designed to present in brief and condensed form such facts as will interest the architect, engineer, builder, draftsman, and specification writer.

Knapp Flush Metal Casings have been used for ten years. This folder describes them as they are today—embodying a number of improvements which have been evolved by years of use.

* * * *

The Knapp Metal Casings herein illustrated, allow the door, window, vent grilles, recessed cabinet, or interior borrowed partition lights, to be trimmed flush with the plastered surface, a

method being more generally used than ever before, due to the low cost, simplicity of detail, sanitary considerations and low upkeep.

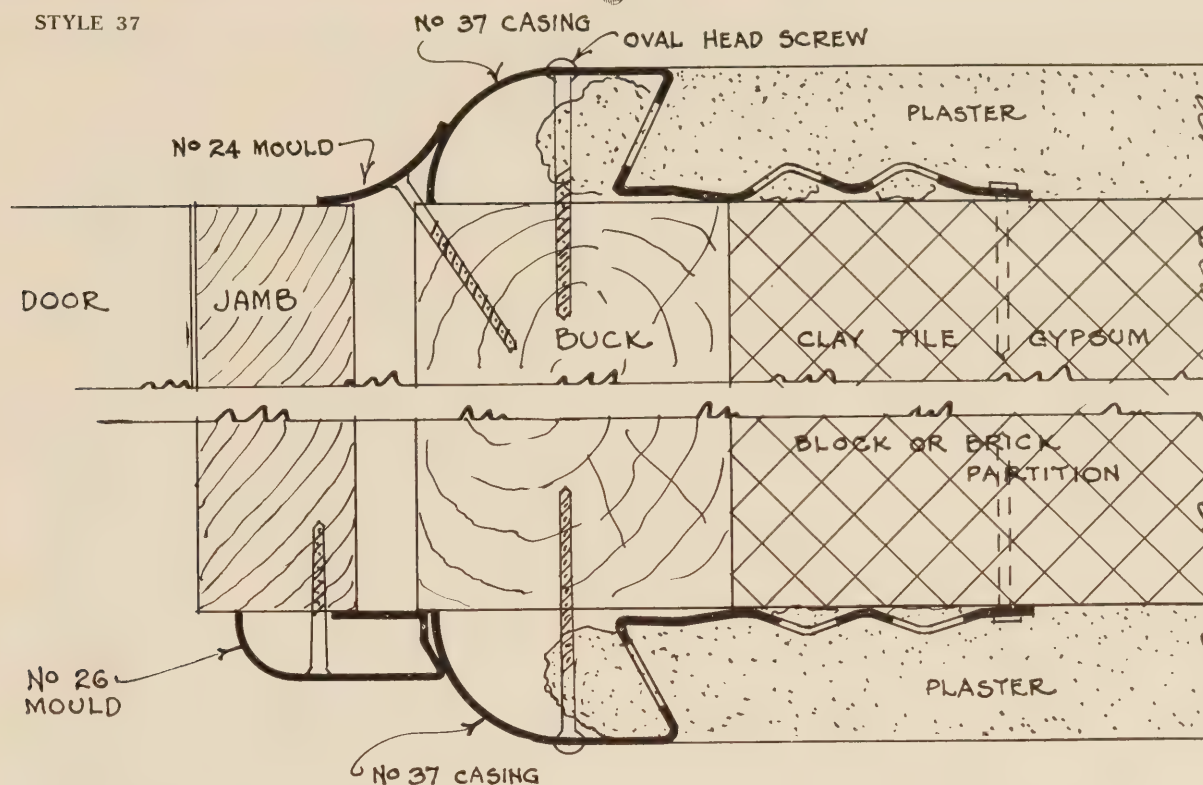


The Casings on this page are erected in place of the wood grounds. The plaster is brought up to finish flush therewith. After the plaster has dried, the wood frames are placed in the rough openings in the usual manner and either Style No. 24 or No. 26 Moulds are used to cover the intervening joint as illustrated.

They are made for grounding the plaster to either a $\frac{1}{2}$ inch or $\frac{3}{4}$ inch thickness.



STYLE 37



In Casings, Styles No. 37 and No. 39, an extending plaster key flange bridges the rough buck, allowing a plaster bond at the point where it is most needed.

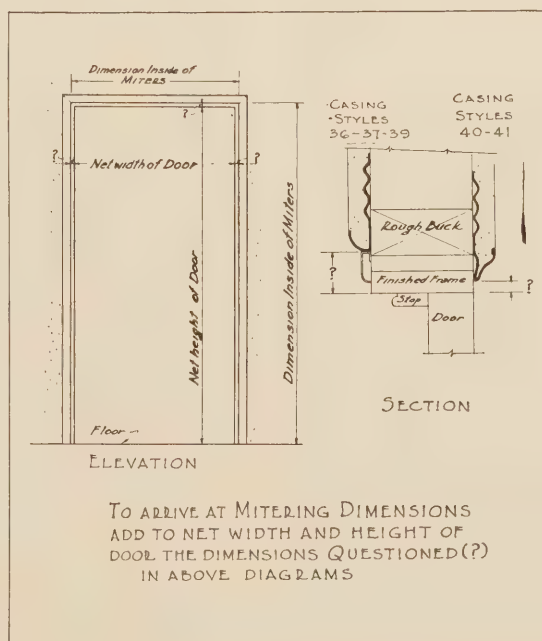
Casing, Style No. 36, is designed for lathed partitions or other places where the plaster key flange is unnecessary.

All of these casings are made of extra tight coat galvanized steel, in 26, 24 and 20 gauge, except No. 37, which is made in 20 gauge only, and the exposed face is primed at the factory with our special grey galvanic primer.

The sanitary plinth fitting for use with Casings, Styles Nos. 36, 37 and 39, herein illustrated, can be used in connection with our own Cove Metal Base, but are also a desirable termination for flush cove, cement, composition or Terrazzo Base. These plinths are furnished 4 inches and 6 inches high.

All Casings are sold in stock lengths of 6', 7', 7'4", 8', 9', 10' and 12', and are cut to length on the job in an ordinary miter box.

Frequently, however, it has been found more economical to have them cut and mitered to exact sizes at the factory, a service which can be given at very little extra expense. We urge that this be done where practical. A diagram showing how to order mitered casings is shown in this folder.



It is desirable to use door checks where any type of flush finish is used. Our Casings are no exception, but we guarantee that even without checks our Casings will be less likely to show plaster cracks than other types due to our designs.

These Casings can be furnished for curved head openings. When this is desired, special quotations can be given for furnishing curved pieces.

In the use of these Casings for doors, it is highly important to have the rough buck solidly anchored against jar.

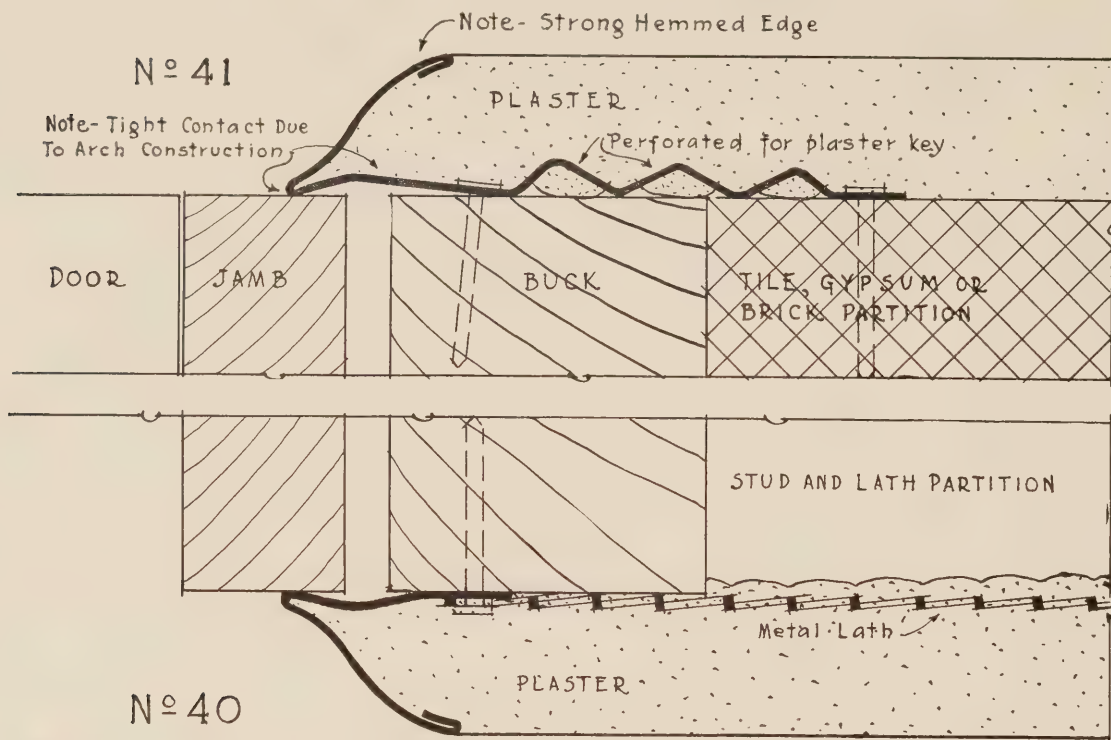
We strongly advise the use of our own buck anchor. Information will be sent on request.



Knapp Sanitary Flush Metal Casings — Styles 40 and 41

Furnished in Stock Lengths of 6', 7', 7'4", 8', 9', 10', 12"

Made for both $\frac{1}{2}$ " and $\frac{3}{4}$ " thicknesses of Plaster



FULL SIZE DETAILS

No. 41 CASING WITH FLANGE FOR SOLID PARTITIONS
No. 40 CASING WITHOUT FLANGE FOR LATH PARTITIONS

SANITARY METAL CASINGS

These casings are particularly ideal for trimming door openings, borrowed lights, vent grilles and other similar openings in partitions.

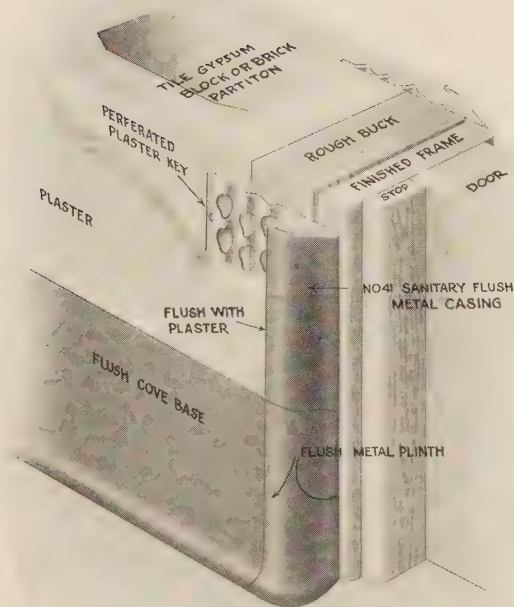
They form a part of our complete system of **SANITARY FLUSH METAL TRIM**, but can also be used independently of the rest of the line.

They are made from 24 and 26-gauge, extra-tight coat galvanized steel and the exposed face is primed with grey galvanic primer at the factory.

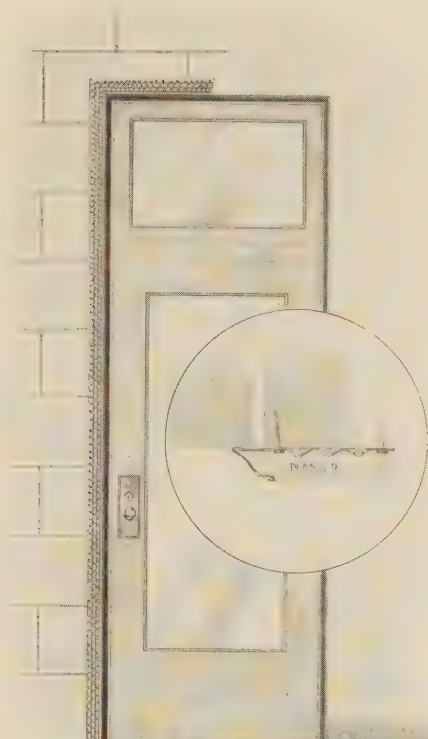
They are sold in stock lengths mentioned above or can be mitered at factory and sent cut to given lengths for a trifle more.

THEY ARE SELF-GROUNDING and are made for either $\frac{1}{2}$ -inch or $\frac{3}{4}$ -inch plaster thickness.

The plinth fittings illustrated to the left can be used with our **COVE METAL BASE**, but they also make a desirable termination for flush cove cement, composition, or terrazzo base. Bases are furnished 4 inches or 6 inches high.

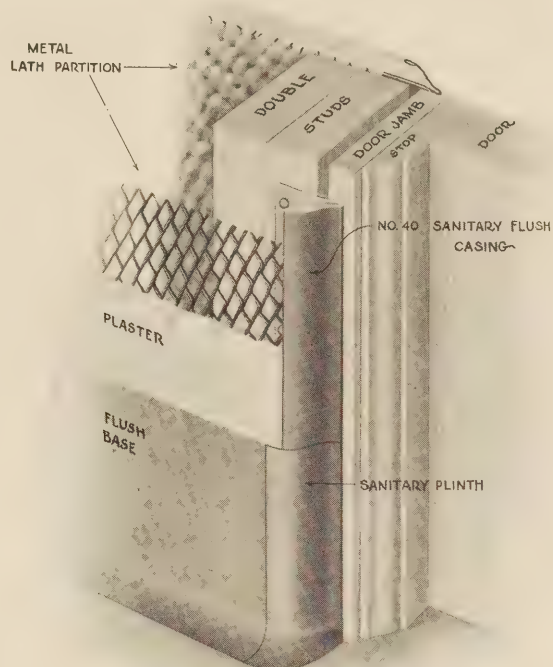


No. 41 CASING
Used with Sanitary Metal Plinth



ILLUSTRATING A TRANSOM OPENING

The left side of the illustration shows No. 41 Casing in place before plastering; the right side, after plastering. Note Plaster Key Flange.



No. 40 CASING

Illustrating its use on a lathed partition, showing how the lath is brought up to the nailing flange. This casing is also used with wood lath or plaster board in the same manner.

SUGGESTED SPECIFICATIONS FOR SANITARY METAL CASINGS

SCOPE OF USE. All interior doors, borrowed lights, vent grilles and recessed cabinets are to be trimmed with KNAPP No. 41 (or, if on a lathed partition, No. 40,) Sanitary Flush Metal Casing. Note: If the Sanitary Plinth is desired, add the following here: "At all door openings provide KNAPP Sanitary Flush Plinth fittings (either 4 inches or 6 inches high) for use with (name the kind of base material). The casings will be set on top of these plinths. Casings shall be primed at the factory with grey galvanic primer."

PREPARATION. Before casing is erected **THE ROUGH BUCKS MUST BE SECURELY AND SOLIDLY ANCHORED** so as not to be loose in the partitions, as movement in the bucks will cause plaster cracking around the openings.

Finished frames will be primed and set in place in the openings and protected by ordinary building paper before plastering.

ERECTION. After finished frames are in place, contractor will erect trim, taking care to **NAIL CLOSE UNDER THE ARCH OF THE NOSE SO AS TO**

MAKE A TIGHT CONTACT WITH THE FRAME AND THE EDGE OF THE PLASTER KEY FLANGE MUST ALSO BE SECURELY NAILED TO THE PARTITION AT FREQUENT INTERVALS.

Jamb pieces will be plumbed and head pieces leveled and mitered corners shall be neatly and tightly made so as to be inconspicuous. Where possible, contractor will furnish manufacturers with exact length dimensions and have pieces mitered at factory and shipped ready to erect.

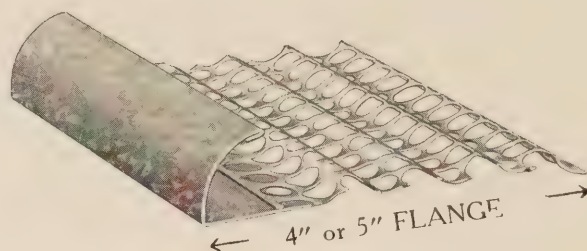
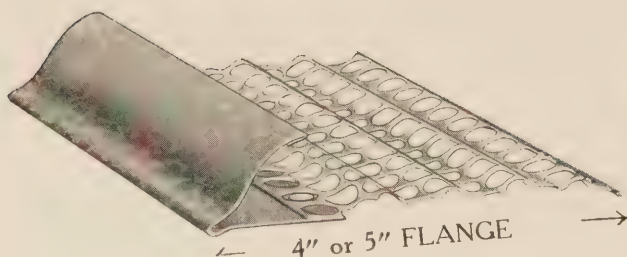
As this trim forms a ground for the plaster, care shall be taken to set casing with proper allowance for plaster thickness. When plastering, brown coat shall be forced well behind nose of casing and into perforated keying flange. Finish coat shall be screeded off flush with casing.

PROTECTION. Protect all jambs after erection with boards nailed temporarily about five feet high. Remove these on completion of plastering.

FINISH. After plastering is completed, clear any plaster marks off from exposed surface and paint trim to match adjoining wall.

Knapp Perforated "Widaflange" Casings

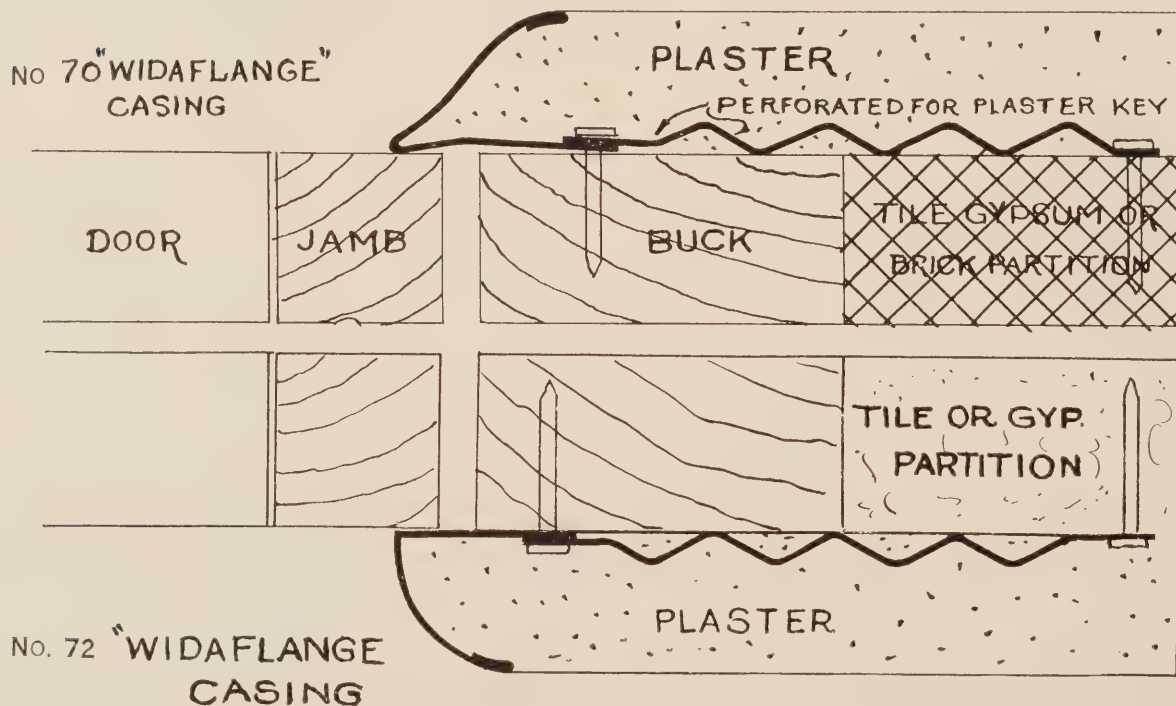
STYLES No. 70-71-72-73-74-75-76-77-78



No. 70—24 gauge 4" "WIDAFRANGE" CASING
 No. 71—26 gauge 4" "WIDAFRANGE" CASING
 No. 72—24 gauge 4" "WIDAFRANGE" CASING
 No. 73—26 gauge 4" "WIDAFRANGE" CASING
 No. 74—24 gauge 5" "WIDAFRANGE" CASING

No. 75—26 gauge 5" "WIDAFRANGE" CASING
 No. 76—20 gauge 5" "WIDAFRANGE" CASING
 No. 77—24 gauge 5" "WIDAFRANGE" CASING
 No. 78—26 gauge 5" "WIDAFRANGE" CASING

To meet the demand of a light weight, low priced casing, the following types in both 24 gauge and 26 gauge material are offered.

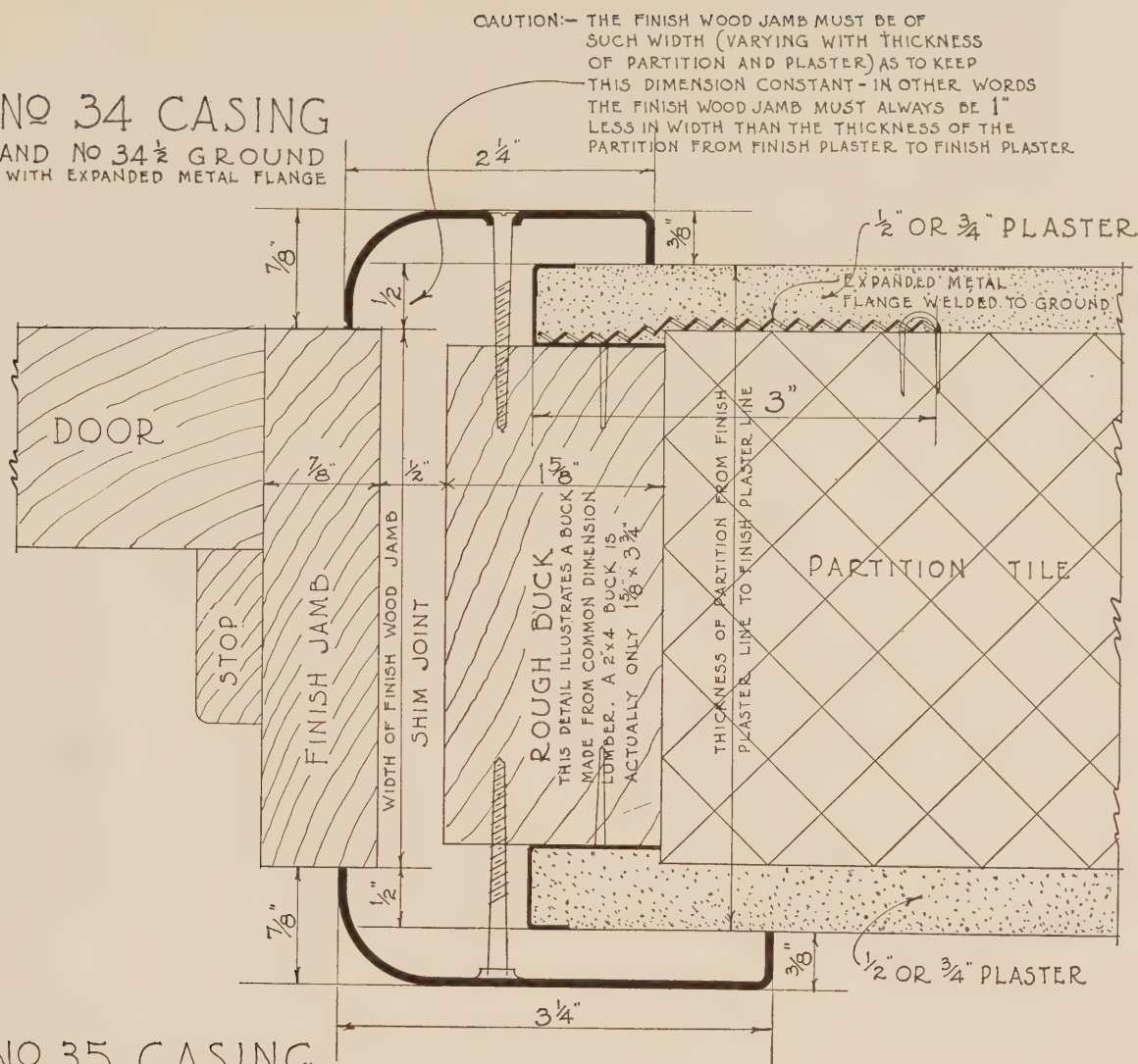


The erection of all "O-G" type of Casing is greatly facilitated by the use of No. 45 Casing clip illustrated on last page.

The tension of this special clip forces the nose of casing down in tight contact with finished jamb, to compensate the slight consequent shrinkage of the wood jamb.

STYLES 34 AND 35

NO 34 CASING AND NO 34½ GROUND WITH EXPANDED METAL FLANGE



NO 35 CASING AND NO 35½ GROUND

Scale of this Drawing $\frac{3}{4}'' = 1''$

Showing Detail of Nos. 34 and 35 Door Casing and Nos. 34½ and 35½ Grounds (Patented)

This "Two Member" casing is a recent innovation, but beyond the experimental stage. It conforms to the requirements of many architects who prefer that the finished jamb and face member be installed after plastering and eliminating the necessity of an additional mould member to give it a finished appearance.

Plinths to fit our various designs of metal base are available for use with these casings.

Principal Features

1—Can be applied immediately after plastering is done—not necessary to wait a long time for plaster to dry out thoroughly nor to have the finished jambs in place before plastering.

2—The exposed surface is furnished with a special galvanic primer at factory.

3—Can also be furnished if desired with a vel-

vety "Duco" finish in selected colors.

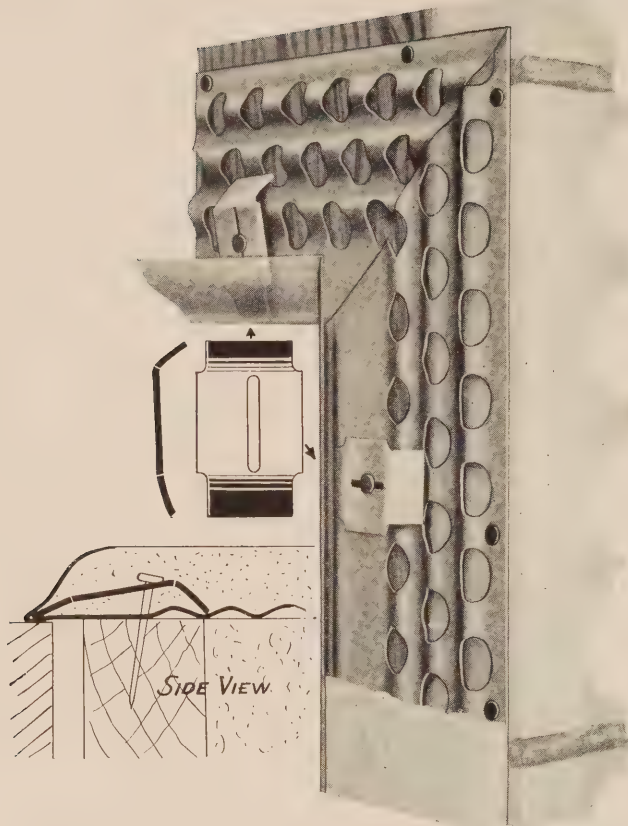
4—Screws may be countersunk or oval head as desired.

5—Made of heavy 16 gauge tight coat galvanized sheet steel, to prevent dishing of face member.

6—Furnished in 6', 7', 7'4", 8', 9', 10' and 12' lengths.

Knapp Casing Clip No. 45

(Patent Applied For)



Detail Showing Application of No. 45 Casing Clip.

CASING CLIP No. 45 for expediting the installation of Nos. 40, 41, 70, 71, 74 and 75 Casings. This clip serves a double purpose, viz:

- (1) It acts as a tension spring forcing contact of the nose of casing with the finished wood jamb and holds it there.
- (2) The long slot in the clip permits the nail to be placed in just the desired spot which can be so placed without danger of denting the face of the casing. Care should be used to drive the nail down just tight enough to cause considerable tension.

The clips should be placed about 18" apart or as conditions require in each particular case.

Knapp Brothers

1343 So. 55th Court

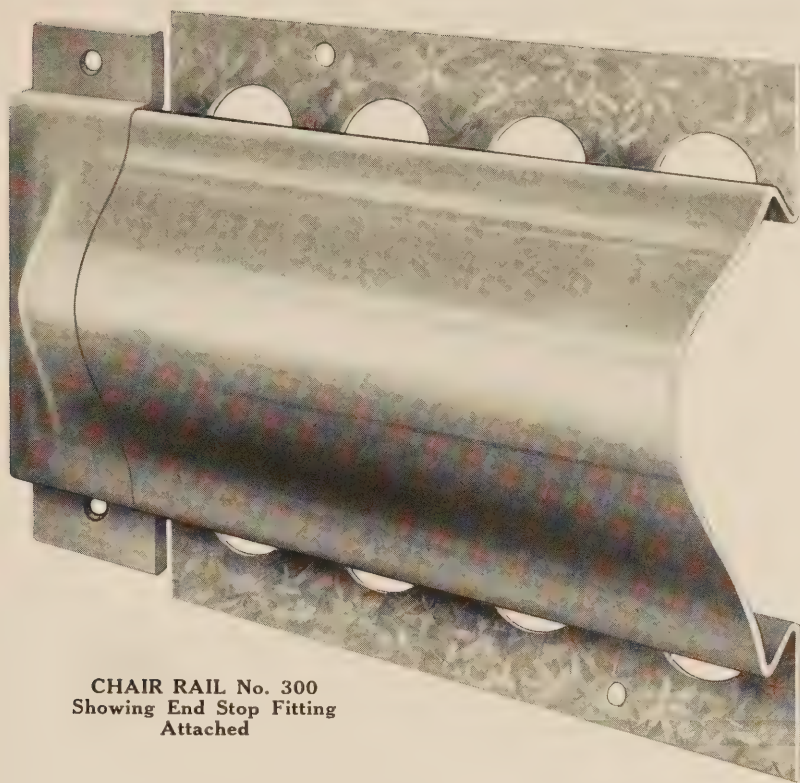


Mfg. Company

Chicago, Illinois

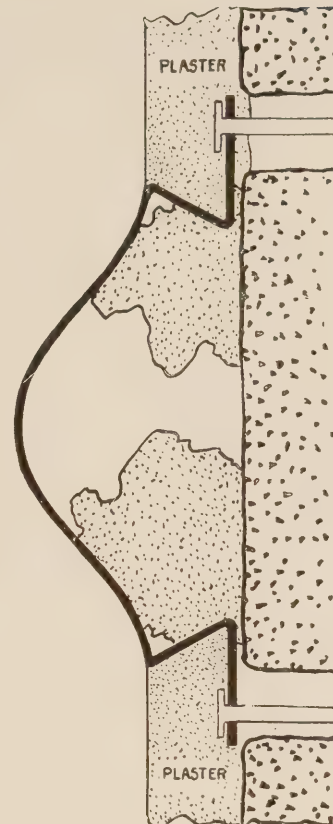
Knapp Sanitary Metal Chair Rail and Fittings

Furnished in stock lengths of 10 feet



CHAIR RAIL No. 300
Showing End Stop Fitting
Attached

This chair rail is made from 18 gauge galvanized steel and the exposed face is primed with grey galvanic primer. Fittings of cast iron are furnished for



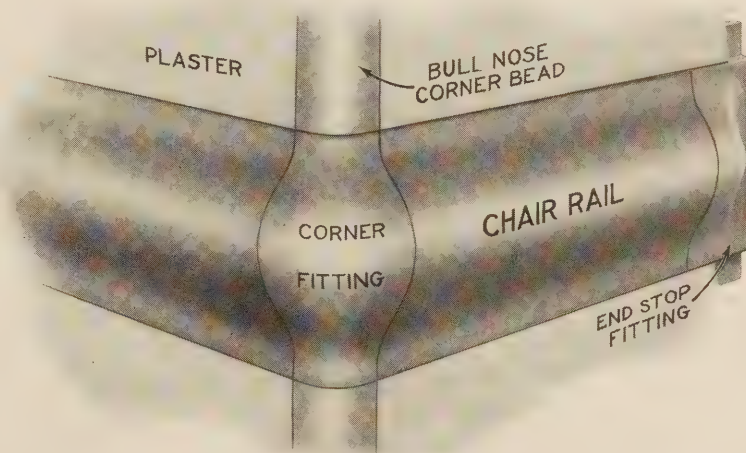
Full Size Section

1 1/2"

interior and exterior corners, both square and rounded to 3/4" and 1 1/2" radii. An end stop fitting is furnished for terminating ends.

Suggestive Specification for Chair Rail

Furnish and erect in all rooms and corridors KNAPP No. 300 PLASTERED-IN METAL CHAIR RAIL. This will be erected before plastering at height above floor as directed, and will be so set that the edges act as a screed line for plasterer. Chair rail will be securely nailed to construction at frequent intervals. All joints shall be neatly made, close, and inconspicuous, and joint plate will be used for this purpose. At all corners both inside and out use cast iron corner fittings furnished for the purpose, same to be for 3/4" radius corners (or 1 1/2" radius or square). These fittings will be attached as instructed by manufacturers. Fittings will be dipped in priming paint at the factory. At all door openings or other terminating ends use similar end stop fittings.



ILLUSTRATING TYPES OF FITTINGS
USED WITH CHAIR RAIL No. 300

KNAPP BROTHER'S

2419-25 W. 14th St.

1343 So. 55th Court

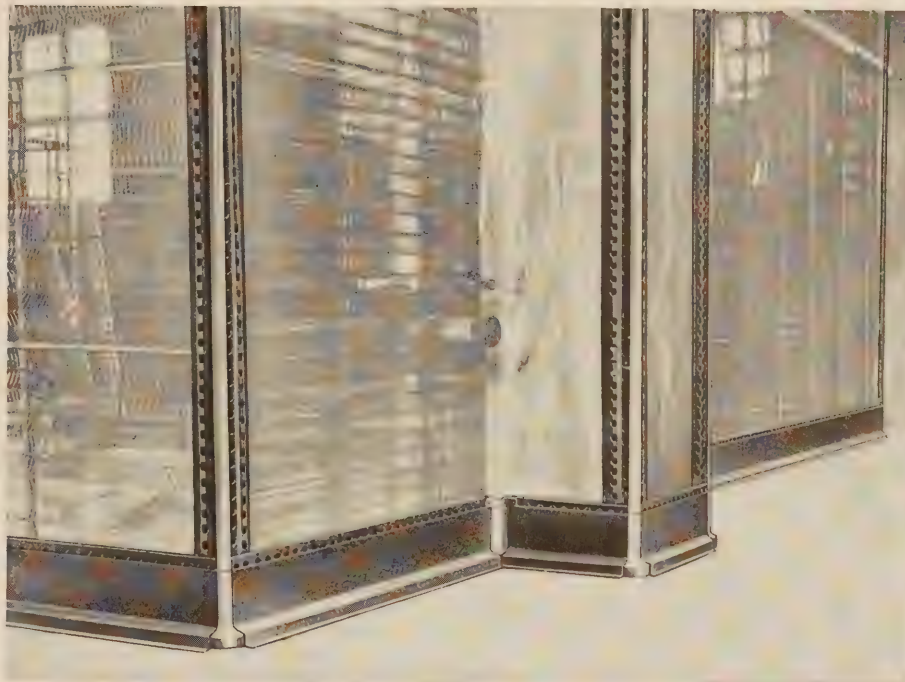


MANUFACTURING CO.
CHICAGO, ILL.

Knapp Sanitary Bull-Nose Beads

STYLES 604, 607, 14, 14½, 600, 603

Furnished in Lengths 6, 7, 8, 9 and 10 Feet



Photograph showing Knapp Heavy-Duty Bull-Nose Bead Style 600 erected—ready for plaster in connection with Knapp Flush Sanitary Metal Base.

SUGGESTED SPECIFICATION FOR BULL-NOSE CORNER BEAD:

The contractor will furnish on all sharp vertical corners throughout the building KNAPP BROS. MFG. CO.'S Bull-Nose Corner Bead Style number (here insert catalog number of beads herein illustrated).

These beads shall be made from tight coat galvanized metal and the exposed nose shall be primed at the factory with grey galvanic primer.

All beads shall be erected before plastering plumb and straight and shall extend from top of base to ceiling. Flanges of beads shall be nailed to the con-

struction at frequent intervals with large headed nails. Care shall be taken to get proper ground distance, as the beads are to act as a screed for the plasterer.

(NOTE—In the cases of beads 604 and 607 specify that they shall be held to construction by the Hump Clip, spaced 1 foot apart.)

Where necessary to splice lengths such splicing shall be done on the job by the contractor in a neat and workmanlike fashion.

KNAPP BROTHERS  MANUFACTURING CO.

55th Court at 14th Street

CHICAGO, ILL.

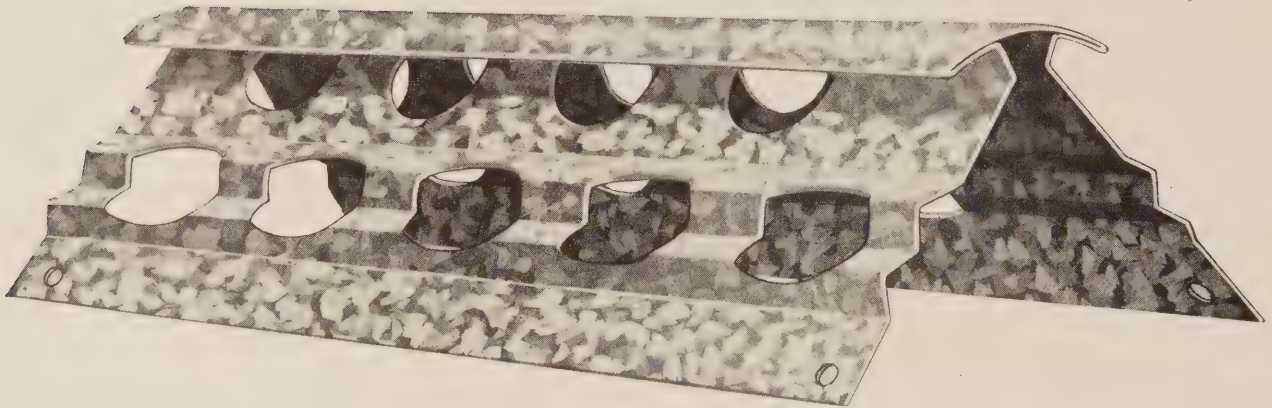
Knapp



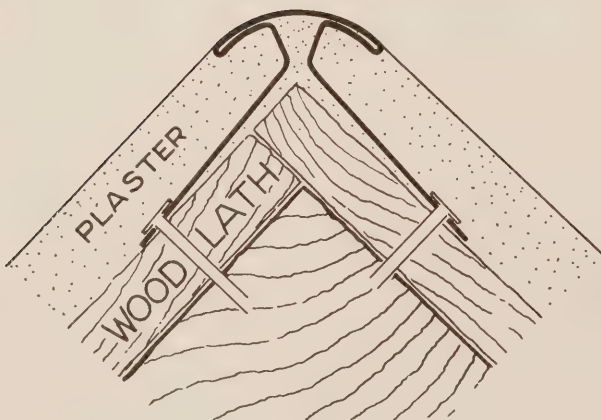
Bull-Nose Corner Beads, Styles 14½ and 14



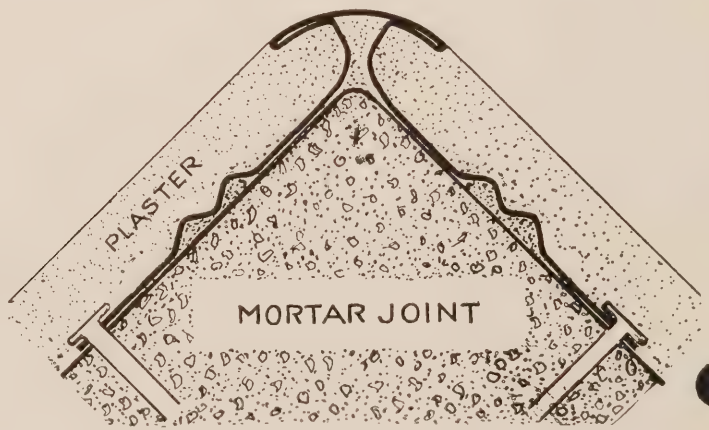
No. 14½ BULL-NOSE BEAD
Medium Length Flange. Nose ¾" Radius.



No. 14 BULL-NOSE BEAD
Long Corrugated Flange. Nose ¾" Radius. Patented.



SECTION No. 14½
Full Size.



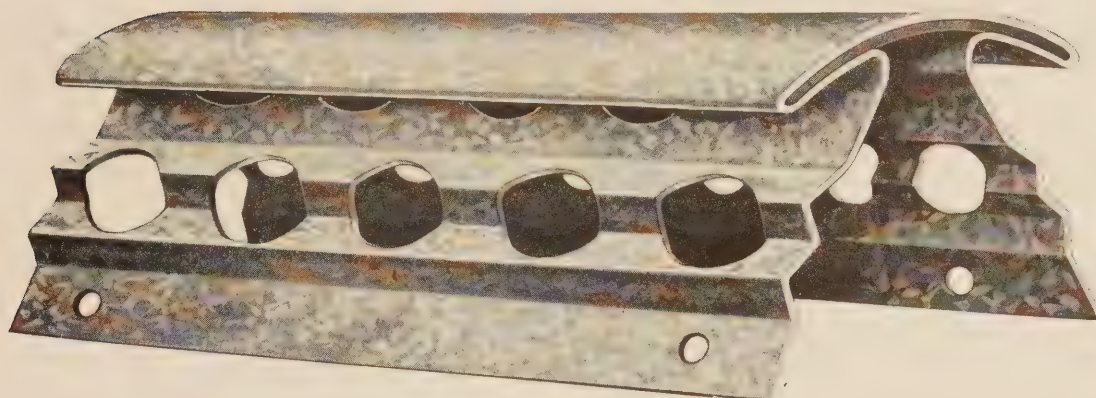
SECTION No. 14
Full Size.

Furnished in Lengths of 6, 7, 8, 9, 10 and 12 Feet.

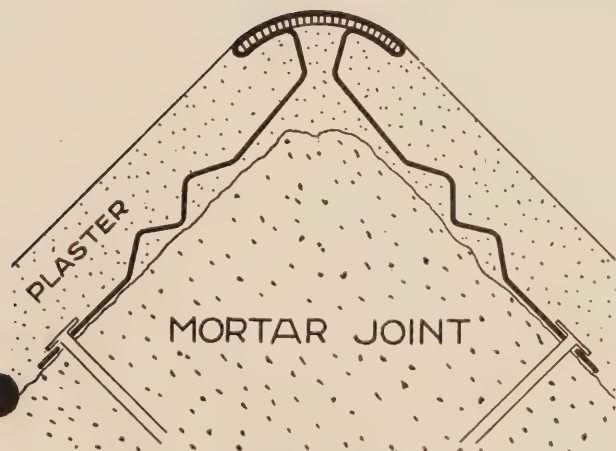
Bull-Nose Corner Beads (Patented) Styles 600 and 603



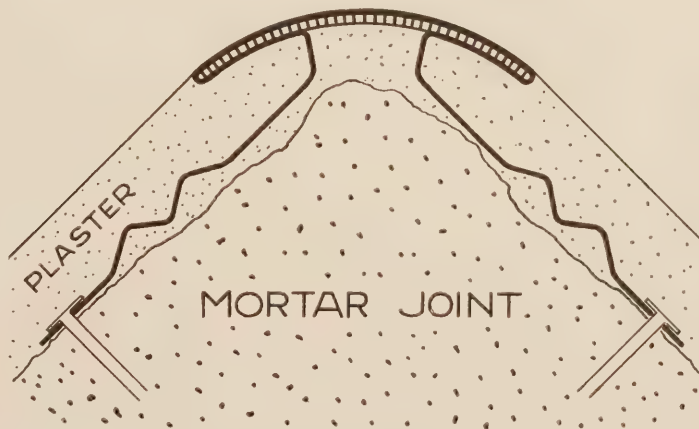
No. 600 BULL-NOSE BEAD. NOSE $\frac{3}{4}$ " RADIUS. Patented.
Heavy Duty Reinforced Nose. Long Corrugated Flange.



No. 603 BULL-NOSE BEAD. NOSE $1\frac{1}{2}$ " RADIUS. Patented.
Heavy Duty Reinforced Nose. Long Corrugated Flange.



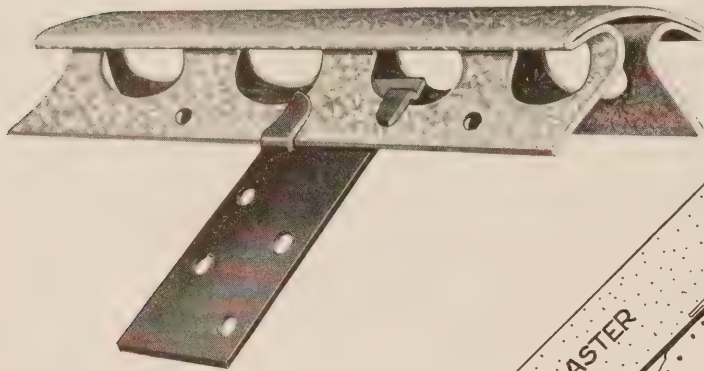
SECTION No. 600
Full Size.



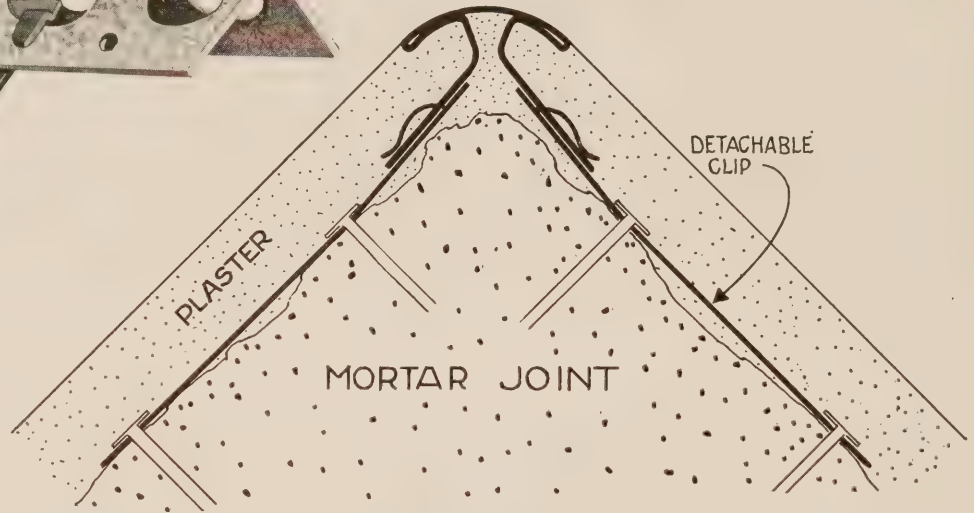
SECTION No. 603
Full Size.

Furnished in Lengths of 6, 7, 8, 9, 10 and 12 Feet.

Bull-Nose Corner Beads, Styles 604 and 607

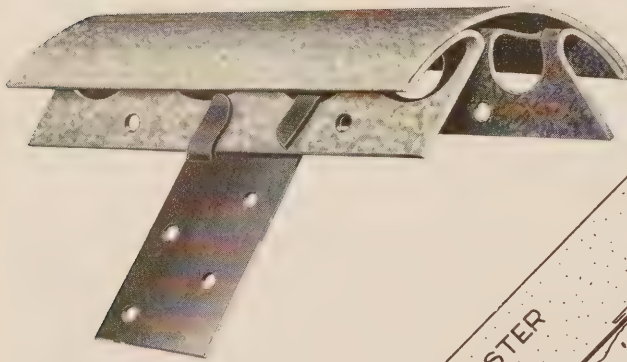


604 with "Hump"
Clip Attached
(Clips Extra)
(Patent Pending
on Clip)

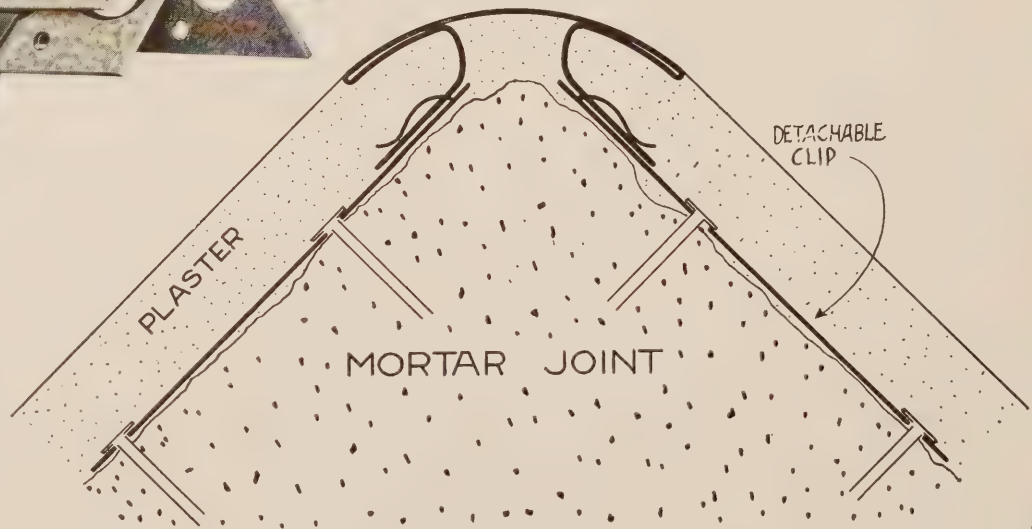


Full Size Section

No. 604 BULL-NOSE BEAD. NOSE $\frac{3}{4}$ " RADIUS
Short Flange. Hump Clip Required.



607 with "Hump"
Clip Attached
(Clips Extra)
(Patent Pending
on Clip)



Full Size Section

No. 607 BULL-NOSE BEAD. NOSE $1\frac{1}{2}$ " RADIUS
Short Flange. Hump Clip Required.

Furnished in Lengths of 6, 7, 8, 9, 10 and 12 Feet.



Knapp Sanitary Metal Cove No. 43 and Fittings

(Patented)

Furnished in Stock Lengths of 10 Feet

SUGGESTED SPECIFICATION

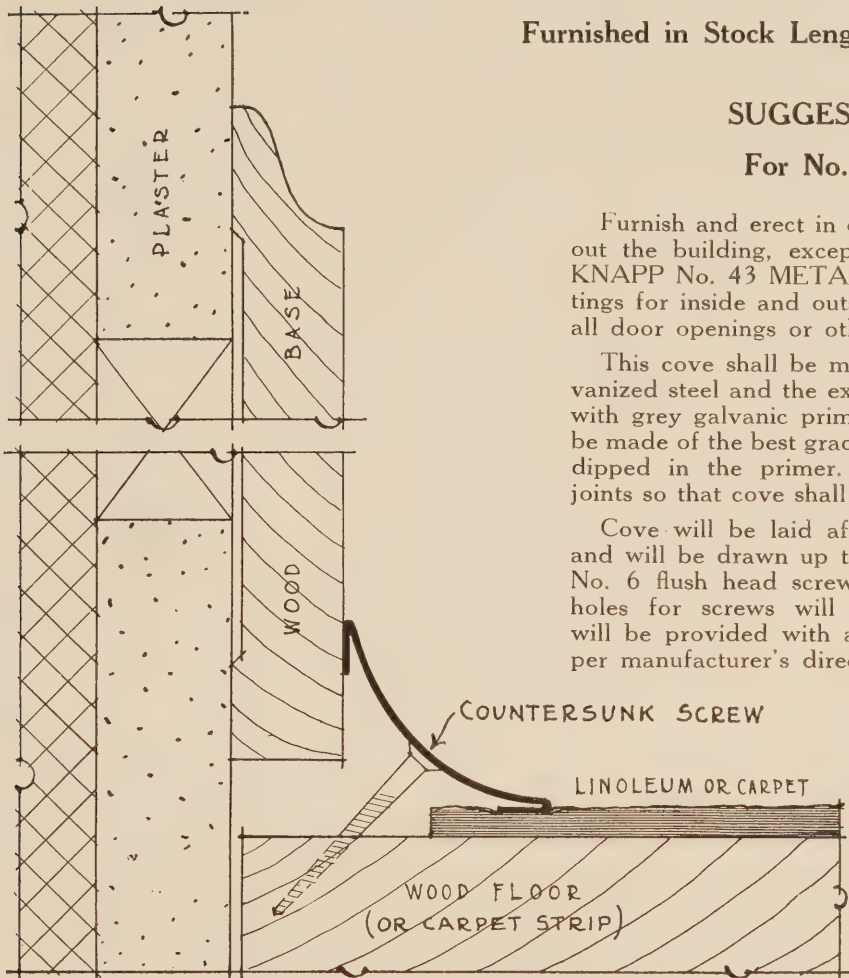
For No. 43 Cove and Fittings

Furnish and erect in connection with all base boards throughout the building, except as otherwise shown or specified, the KNAPP No. 43 METAL ANGLE COVE, together with the fittings for inside and outside corners and the end stop fittings at all door openings or other terminating points.

This cove shall be made from extra tight coat 24-gauge galvanized steel and the exposed face will be primed at the factory with grey galvanic primer. The fittings, above mentioned shall be made of the best grades of cast iron, free of flaws, and shall be dipped in the primer. Provide splice plates for all spliced joints so that cove shall be in a continuous line and plane.

Cove will be laid after floor coverings have been stretched and will be drawn up tight in the angle and held securely with No. 6 flush head screws 17½ inches on center. Countersunk holes for screws will be punched at factory. The fittings will be provided with attachment lugs and will be attached as per manufacturer's directions.

This cove and fittings will be painted or enameled on the job just prior to erection in colors as directed. It is best to do this after cove has been cut and fitted to the spaces and fittings attached and just before laying.



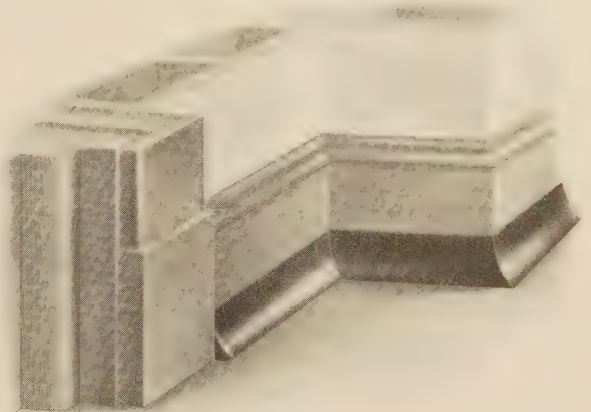
FULL SIZE DETAIL No. 43 METAL COVE

This cove, with the fittings which go with it, is used in new or old buildings, and provide an easily cleaned corner floor angle.

Particularly adapted to wood base, where it replaces the quarter-round moulding.

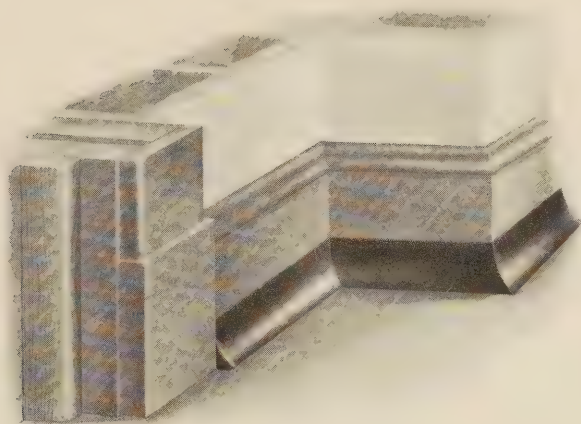
The illustration on the right shows the fittings furnished for inside and outside corners and the end stop fitting used at doorways or other terminating points.

This cove can also be furnished in Brass. Prices upon request.



DETAIL OF No. 43 COVE AND FITTINGS

Knapp Sanitary Metal Cove



KNAPP No. 43 COVE, with the fittings which go with it, are used in new or old buildings and provide an easily cleaned corner floor angle.

Particularly adapted to wood base where it replaces the unsatisfactory quarter-round moulding.

This cove and fittings also furnished in Brass.

Edge and Cove Binders

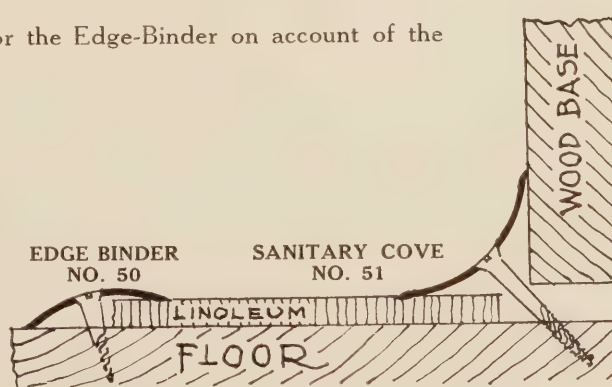
Made of heavy gauge hot galvanized steel, finished with a special tight coat metallic surface. Furnished in 10 foot lengths. Counter-sunk screw holes, 6 inches in centers.

(We do not furnish the screws for the Edge-Binder on account of the great variety of floors.)

Milled edges of binder made tight grip and sanitary contact with linoleum.

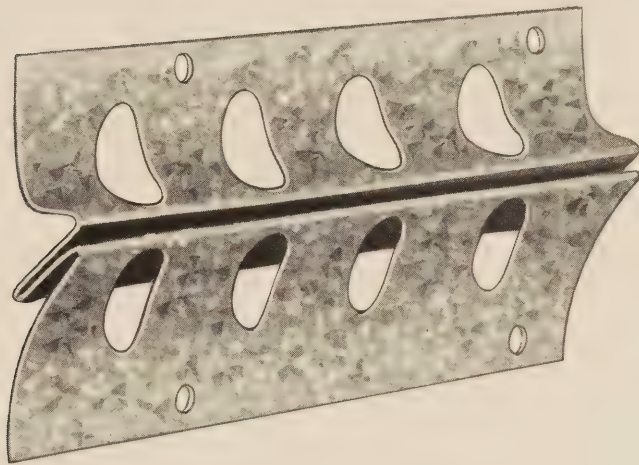
Allows adequate expansion and contraction, thus preventing buckling of linoleum.

These binders also furnished in brass.



Knapp Concealed Sanitary Metal Picture Moulds

Furnished in stock lengths of 10 feet



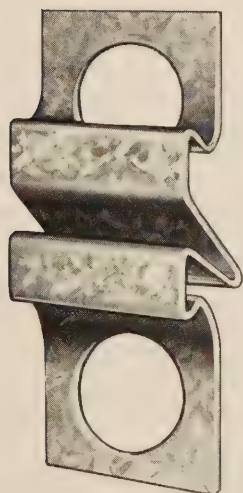
No. 23 "ECLIPSE" PICTURE MOULD—26 Gauge Galv.



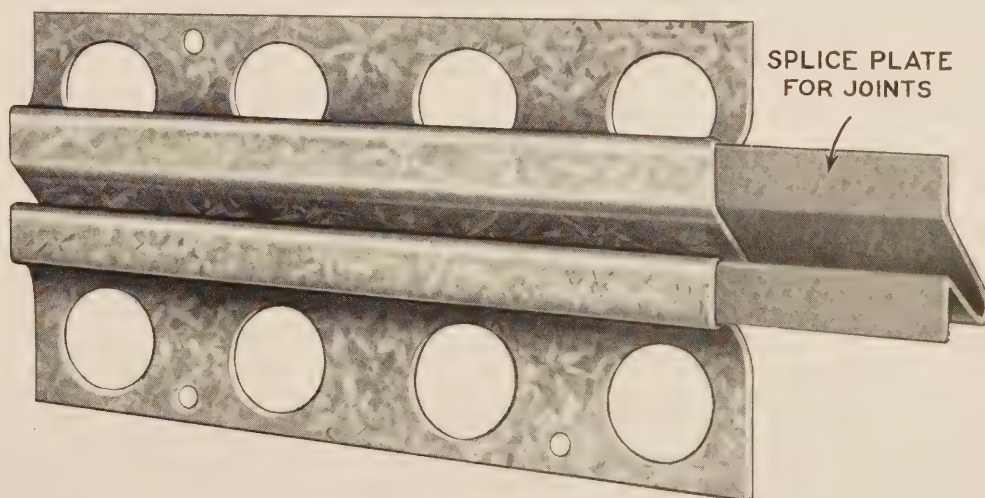
Full Size Section

These picture moulds present a sanitary method of supporting pictures or other hanging objects. They are erected before plastering and serve as a plaster ground line.

In some cases it is considered desirable to fill the groove with plaster, cutting out for picture hooks only where wanted. It is possible, however, to keep the groove open by inserting a cord therein, before plastering which is easily removed after. Especially adapted to schools, offices, buildings, etc.



Full Size Detail



No. 20 "ROYAL" PICTURE MOULD—26 Gauge Galv.
Patented

KNAPP BROTHER'S

~~2109-25 W. 14th St.~~

1343 So. 55th Court

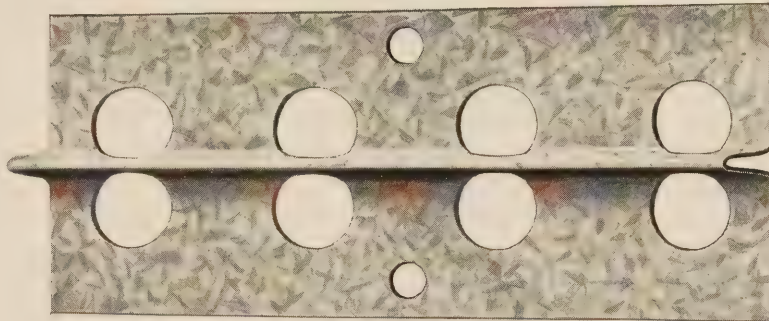


MANUFACTURING CO.
CHICAGO, ILL.

Knapp Metal Base Grounds and Screeds with Fittings

STYLES Nos. 1, 1½, 2, 42, 49

Furnished in stock lengths of 10 feet



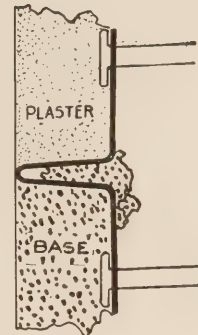
No. 1 FLUSH GROUNDS—26 Gauge Galv.

No. 1½ FLUSH GROUNDS—24 Gauge Galv.

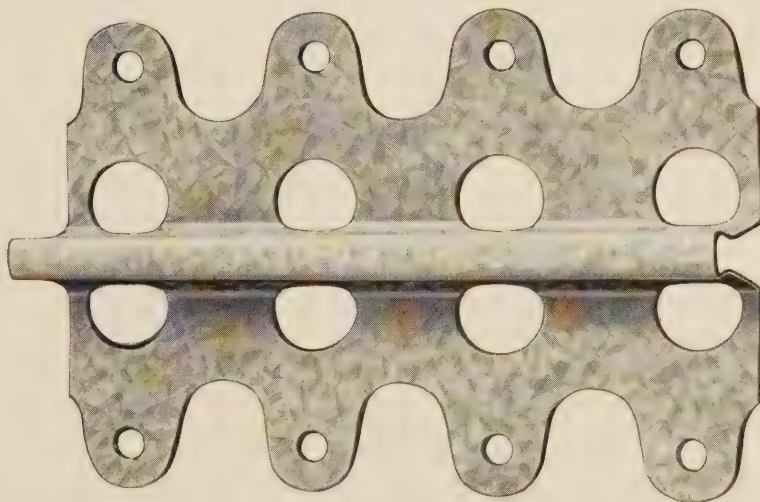
These grounds form a permanent separation between two different plastic materials as in the case of terrazzo, composition or cement base and plaster. They are also used as a protecting border bead in the case of depressed or raised plaster panels.

They prevent contact between non-affiliating chemical constituents and therefore prevent staining.

They eliminate the necessity for temporary wood grounds and ninety per cent of the ordinary plaster patching.

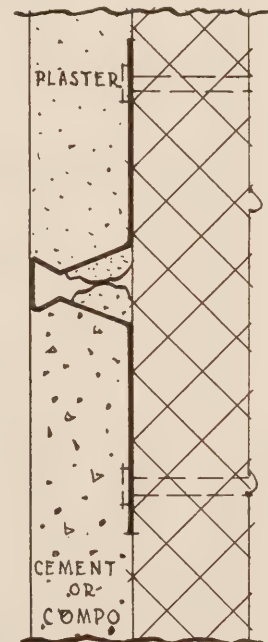


Full Size Section
Made for ½" and ¾"
Plaster Thicknesses



No. 2 FLUSH GROUNDS—26 Gauge Galv.

Made for ½" and ¾" Plaster Thicknesses



Full Size Section

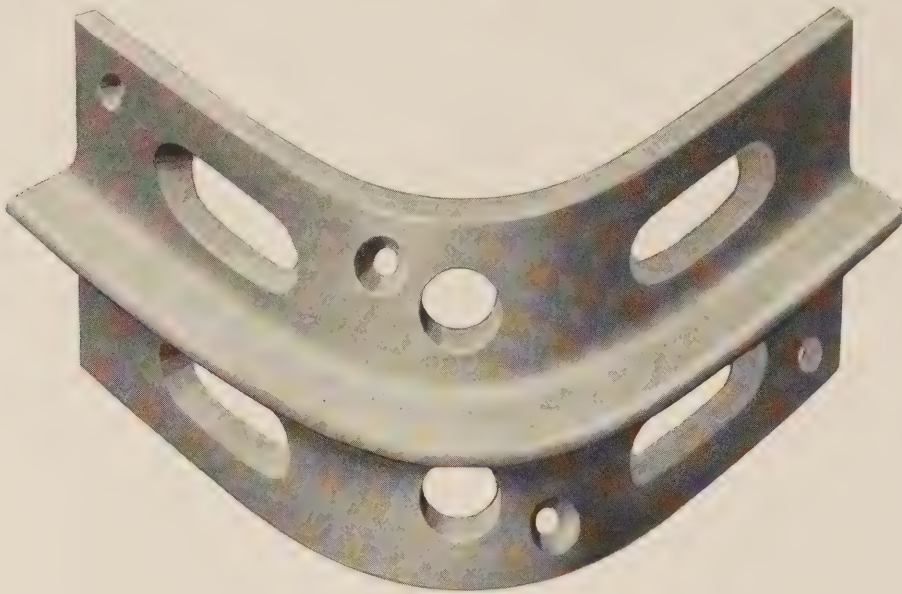
KNAPP BROTHER'S

~~5419-25 W. 14th St.~~

1343 So. 55th Court



MANUFACTURING CO.
CHICAGO, ILL.



TYPE OF CORNER FITTINGS

USED WITH FLUSH METAL BASE GROUNDS

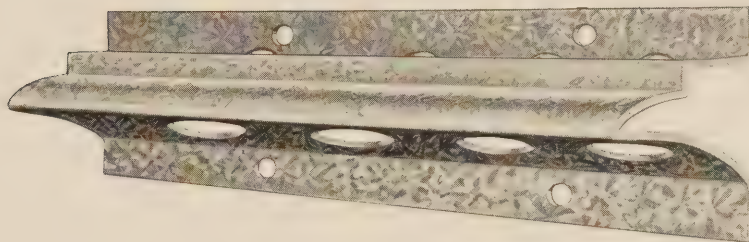
Made for Exterior Corners, Both $\frac{3}{4}$ " and $1\frac{1}{2}$ " Radii
Made for Interior Corners, Both $\frac{3}{4}$ " and $1\frac{1}{2}$ " Radii

SUGGESTIVE SPECIFICATION FOR FLUSH BASE GROUNDS

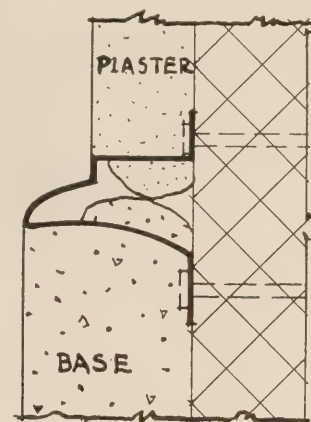
The contractor will furnish and erect KNAPP No. 2 (or No. 1 or No. $1\frac{1}{2}$) flush base ground, wherever flush cement (or other) base materials is to be used. This ground is to act as permanent screed line for both plasterer and base worker and will be erected perfectly horizontal and parallel with the finished floor. The nose of the ground will be in true plane with the plaster, and where necessary to compensate for irregularities in the rough partition wedge behind nailing flanges of ground with

wood chips. Grounds will be securely nailed at frequent intervals, and where joints occur, care shall be taken to make them close and inconspicuous.

At all corners both inside and out in rooms or places where grounds are used provide KNAPP CAST IRON BASE GROUND CORNER FITTINGS $\frac{3}{4}$ " round (or $1\frac{1}{2}$ "). These shall be dipped in priming paint at the factory.



No. 49 CURVED POINT BASE SCREED—26 Gauge Galv.

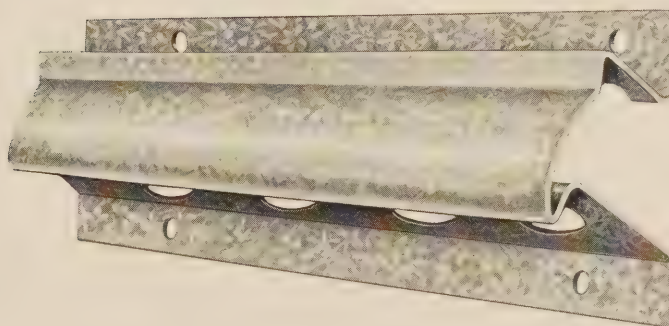


Full Size Section

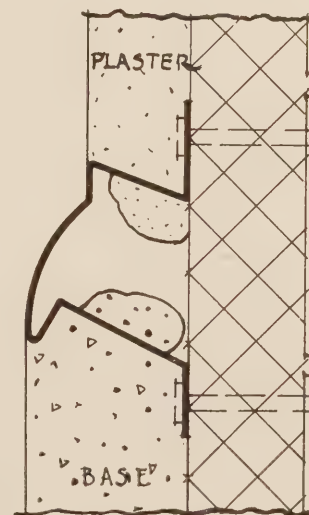
These screeds form a smooth even curved top for any projecting plastic base material such as terrazzo, cement or composition and protect the top of the base against damage by chipping.

They also—like the flush type of grounds—form a permanent separation between the two materials, and a working ground line for both.

With the fittings hereafter illustrated these can be used in any class of building.



No. 42 CURVED POINT BASE SCREED—26 Gauge Galv.



Full Size Section

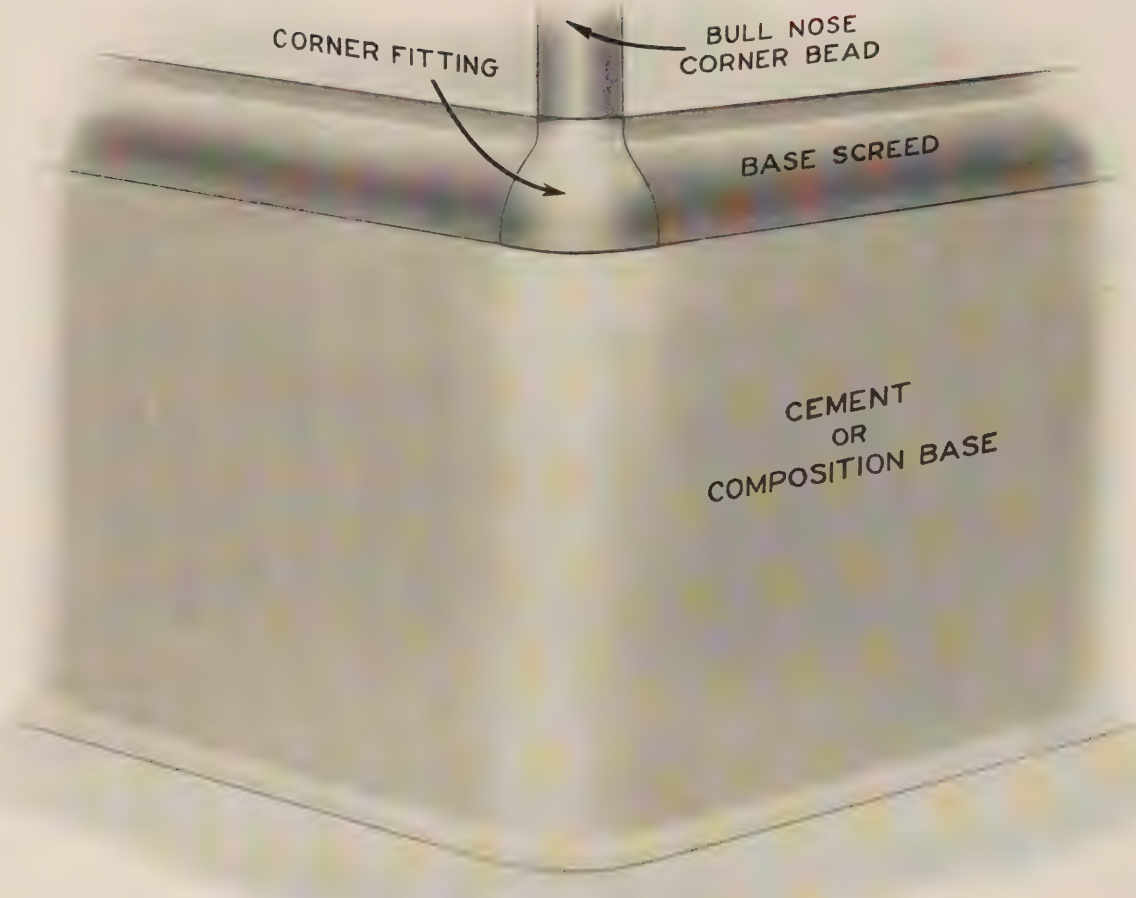


ILLUSTRATION SHOWING TYPE OF CORNER FITTING
USED WITH CURVED POINT BASE SCREEDS

Made for Exterior Corners, Both $\frac{3}{4}$ " and $1\frac{1}{2}$ " Radii
Made for Interior Corners, Both $\frac{3}{4}$ " and $1\frac{1}{2}$ " Radii
For Both Styles 49 and 42 Screeds

SUGGESTIVE SPECIFICATION FOR CURVED POINT SCREEDS

The contractor will furnish and erect Knapp No. 42 (or 49) Curved Point Base Screed, wherever cement (or other) base material is to be used. This screed will form the top of the base, and will also act as a screed line for both plasterer and base worker and will be erected perfectly horizontal and parallel with the finished floor. Where necessary to compensate for irregularities in the rough partition wedge behind, nailing flanges of the screed

with wood chips. Screeds will be securely nailed at frequent intervals and where joints occur, care shall be had to make them close and inconspicuous.

At all corners, both inside and out, in rooms or places where screeds are used provide KNAPP CAST IRON BASE SCREED FITTINGS $\frac{3}{4}$ " round (or $1\frac{1}{2}$ "). These shall be dipped in priming paint at the factory.

FOR HOTELS



*Palmer
House
Chicago*



*Addition to
Morrison
Hotel
Chicago*



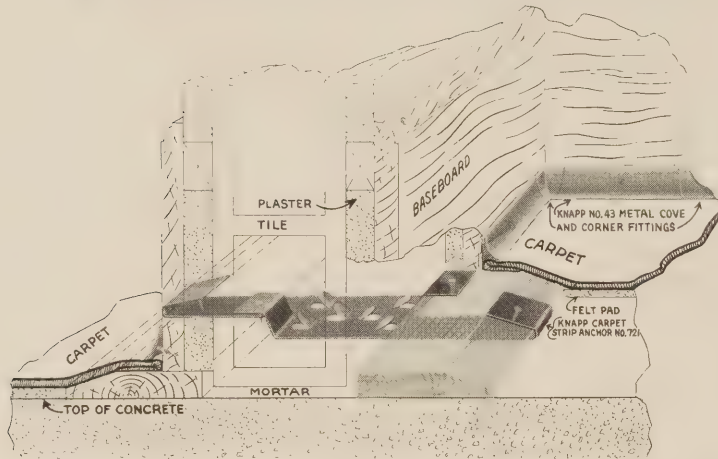
*Addition to
Hotel
Sherman
Chicago*



Knapp Carpet
Strip Anchor
No. 721
Used in these
Hotels

KNAPP BROTHERS MANUFACTURING CO.
1343 South 55th Court CHICAGO

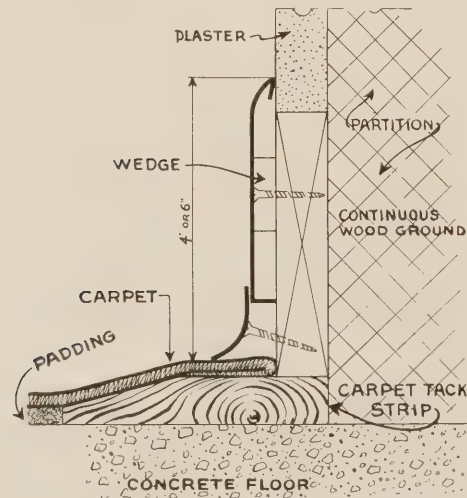
Knapp Carpet Strip Anchor No. 721 (Patented)



Knapp Carpet Strip Anchor No. 721 and No. 43 Cove

THE design opposite illustrates the adaptation of Knapp's No. 204 Two-Member Base as a suitable and practical arrangement in connection with a carpet tack strip. The lower member is easily removable for taking up and replacing carpets. It is in harmony with the fireproof construction plan. The base being metal with a hard smooth surface requires fewer coats of paint and is more sanitary than a wood base. Below—is a cross section showing the detail of construction and installation. Further information upon request.

The photographs (see opposite page) were taken from the Palmer House installation. This device is so easily and economically installed that contractors allow a considerable rebate over the old-fashioned way of attaching the carpet strip to the concrete.

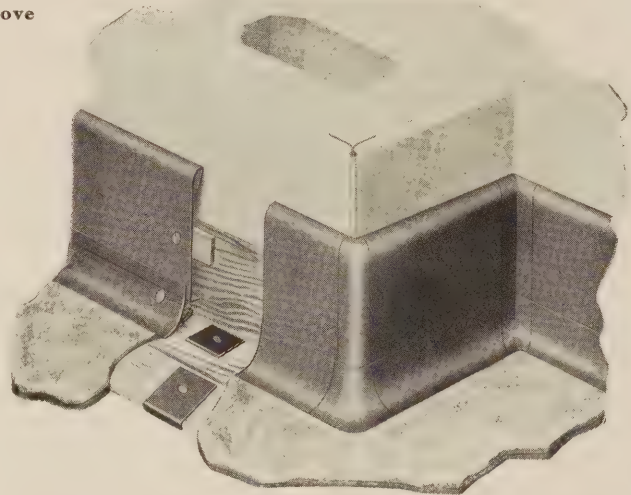


Section No. 204 Two-Member Base With Carpet Strip Anchor

THE anchors (No. 721) are placed on 18" centers imbedded solidly in the mortar at the time the partitions are being built. Double anchors are used with partitions and single anchors for walls.

This device eliminates the necessity for imbedding nailing strips in cement floors or drilling and plugging as has been the practice in the past.

This anchor is being used in the Palmer House, Morrison Hotel, Sherman Hotel and several other hotels now being planned in Chicago, Illinois.



Featuring Knapp's No. 204 Two-Member Base in Connection with Carpet Strip Anchor.

SUGGESTED SPECIFICATION

The following should be placed in the masonry and carpentry respectively.

Masonry

This contractor shall build in Knapp Carpet Strip Anchors No. 721, 18" on centers at the floor line of all walls where carpet strips are required. These anchors will be furnished by the contractor for carpentry and will be installed under his supervision.

Carpentry

This contractor shall install all carpet strips as required which shall be securely fastened in place with Knapp Carpet Strip Anchors No. 721, made by the Knapp Brothers Manufacturing Company, Chicago, Illinois, spaced 18" on centers. This contractor shall furnish the anchors to the masonry contractors who will build them into all brick and tile walls and partitions and shall also see that he installs the anchors as required.



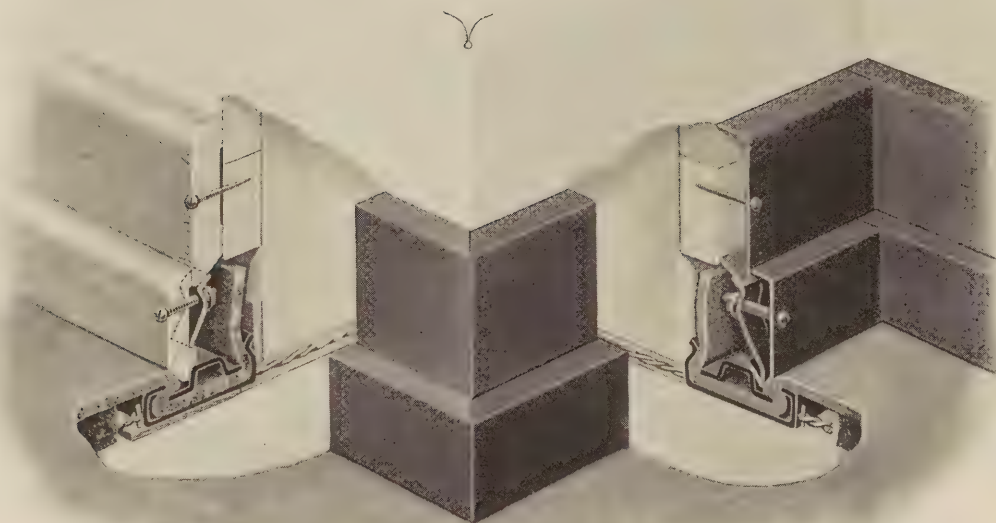
Illustrating Manner of Installing Carpet Strip Anchor No. 721



Illustrating Carpet Strip Installed Ready for Carpet and Base

Knapp Carpet Fastener and Base

(Patented 12-16-24. 3-10-25. Other Patents Pending)



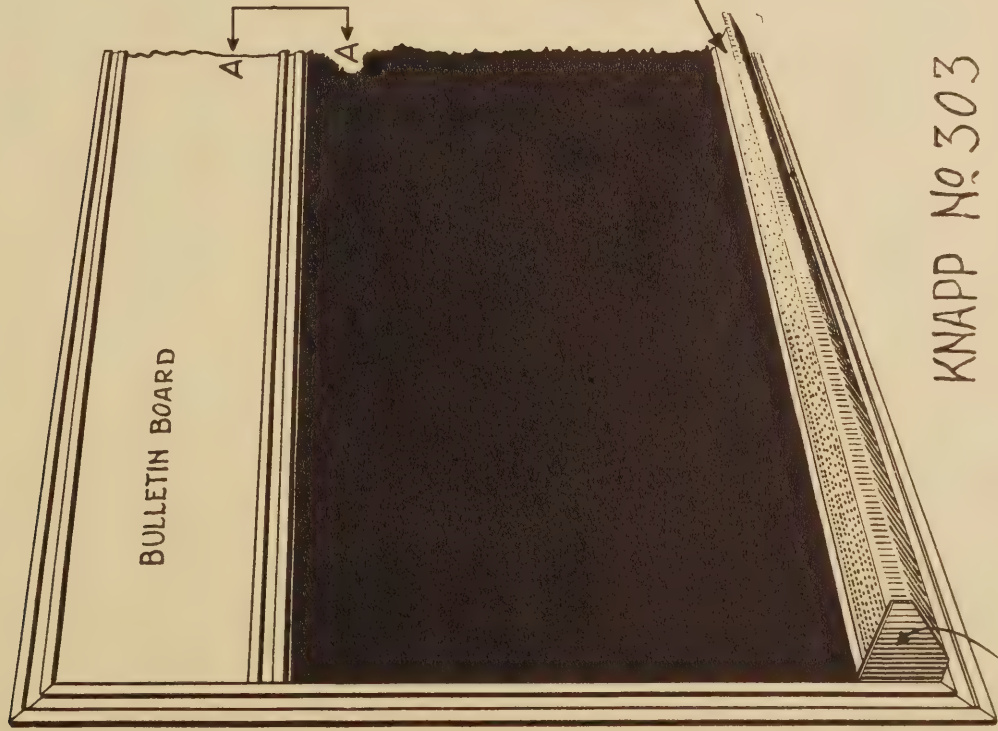
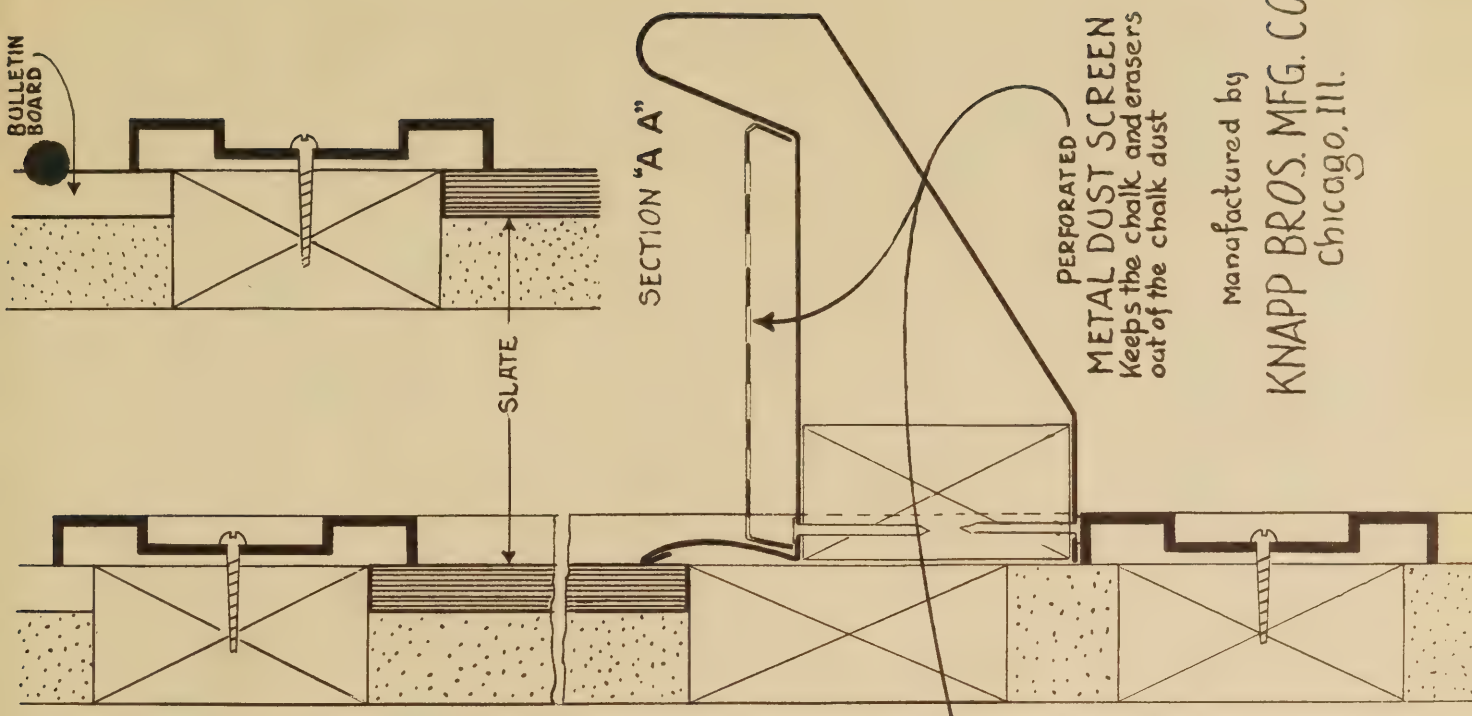
This Cut Illustrates "A New Departure"

THIS design features a new departure from the old-fashioned carpet wood strip wherever carpets are used in fireproof construction.

The prime features are: A metal channel and lockplates which fasten and hold the carpet in place without injury to expensive carpets, and eliminating the use of the wood strip and carpet tacks. The channel is held in position by the use of a piece of common wire imbedded under the partition wall or in the outer wall as the case may be. The lock-plates are 5 inches long and are easily installed. When it is desired to remove carpet for renovating purposes, etc., all that is necessary is to remove the lower member of the base and pull the carpet upward by the loose end and all the lock-plates on one side of the room are released simultaneously.

The two member base may be made of metal or wood, and in either case the top member is installed permanently. The lower member is easily removed and replaced again with screw clamps, and is so designed that no corner fittings or end-stops (in the metal base) are required. The corners are formed by merely notching out the flange and bending to a right angle, thus forming a seamless angle as shown in illustration. Since the base and carpet fastener are combined in this design the cost is quite economical, besides providing a device far superior to any method yet devised.

Complete detailed information and cost data will be furnished upon request.



Manufactured by
KNAPP BROS. MFG. CO.
 Chicago, Ill.

KNAPP No 303
SANITARY METAL CHALK TROUGH
AND
No 25 BLACK-BOARD TRIM MOULD

END
 STOP

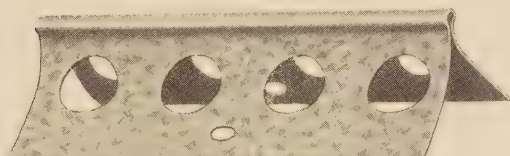
KNAPP STAPLE LINE OF PLASTERERS' ACCESSORIES

For Sale by

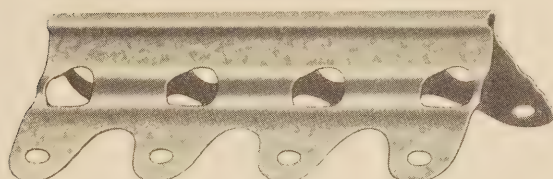
All Corner Beads Furnished in 6'-7'-8'-9' 10' and 12' Lengths
Base Grounds, Picture Mould and Base Screed Furnished in 10' Lengths Only
All Illustrations Except No. 12 Are About Two-Thirds Actual Size. No. 12 is One-Half Size



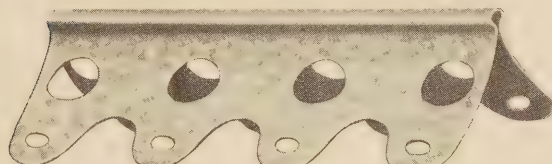
No. 100—Corner Bead—26 gauge.
No. 101—Corner Bead—24 gauge.
Shipping weight, No. 100, 170 lbs. per M ft.
Shipping weight, No. 101, 210 lbs. per M ft.



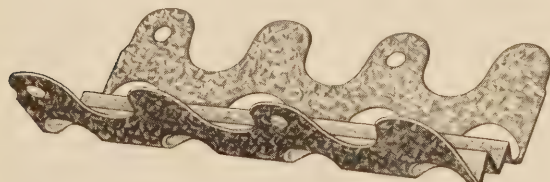
No. 000—Corner Bead—26 gauge.
Shipping weight, 185 lbs. per M ft.



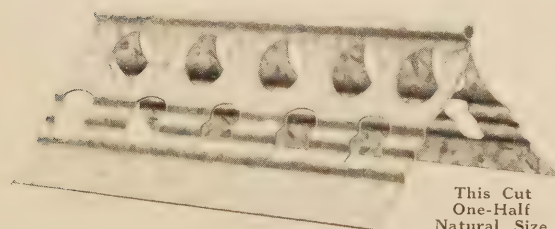
No. 15 1/2—Corner Bead—26 gauge.
Shipping weight, 208 lbs. per M ft.



No. 5—"Imperial" Corner Bead—24 gauge.
Shipping weight, 271 lbs. per M ft.



No. 4 1/2—"Inside" Corner Bead—26 gauge.
Shipping weight, 208 lbs. per M ft.

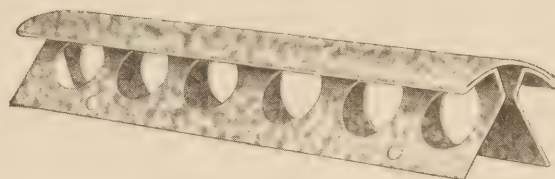


No. 12—"Ideal" Corner Bead—26 gauge.
Shipping weight, 330 lbs. per M ft.

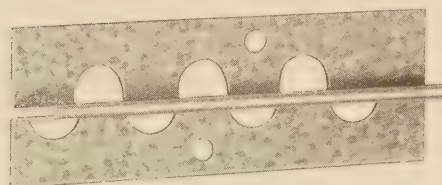
This Cut
One-Half
Natural Size



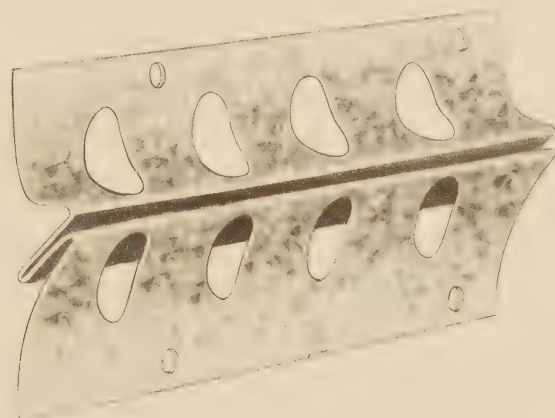
"Hump" Corner Bead Clip.
Shipping weight, 33 lbs. per M.



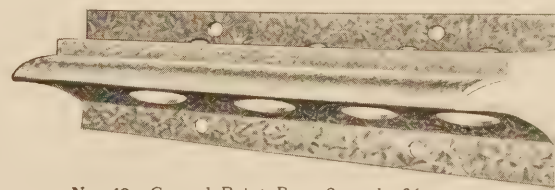
No. 604—Bull-Nose Corner Bead—26 gauge.
3/4" Radius Nose.
Shipping weight, 256 lbs. per M ft.



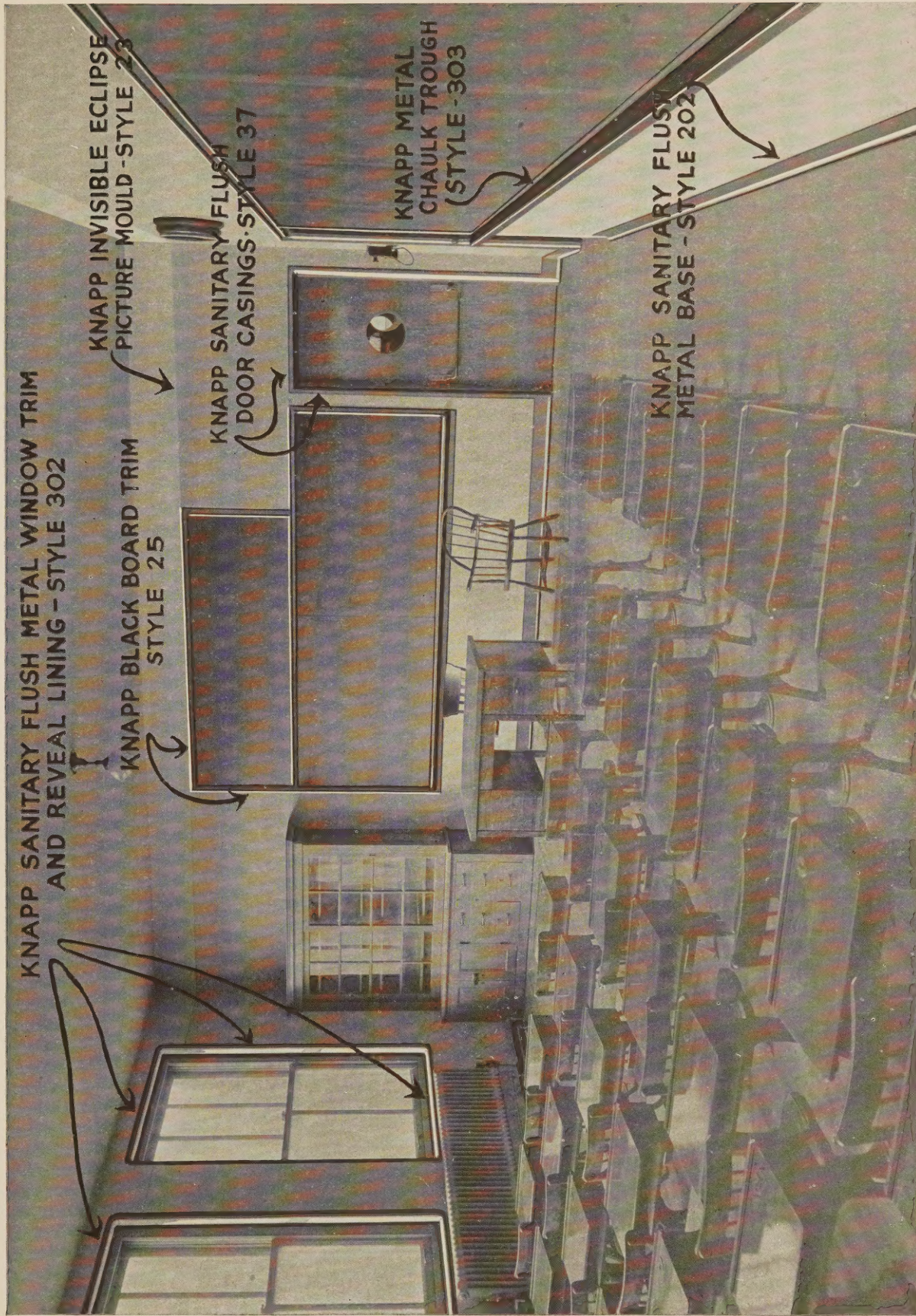
No. 1 Base Grounds—26 gauge
No. 1 1/2 Base Grounds—24 gauge For 1/2", 5/8" or 3/4" Ground.
Shipping weight, No. 1, 158 lbs. per M ft.
Shipping weight, No. 1 1/2, 185 lbs. per M ft.
Shipping weight, No. 1 1/2, 190 lbs. per M ft.
Shipping weight, No. 1 1/2, 217 lbs. per M ft.
Shipping weight, No. 1, 158 lbs. per M ft.
Shipping weight, No. 1 1/2, 190 lbs. per M ft.



No. 23—"Eclipse" Concealed Picture Mould—26 gauge.
Shipping weight, 230 lbs. per M ft.



No. 49—Curved Point Base Screed—26 gauge.
Shipping weight, 175 lbs. per M ft.
Clips for attaching, 39 lbs. per M.



Photograph of the Interior of a Class Room in the Franklin St. School at Manchester, New Hampshire.

Wm. M. Butterfield, Architect

Knapp

KNAPP BROS. MFG. CO.

1343 South 55th Court, Chicago, Ill.

SANITARY
METAL
TRIM

